



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 115512

TO: Abdel Mohamed
Location: REM-3C70
Art Unit: 1653
Friday, March 19, 2004

Case Serial Number: 09/857115

From: Toby Port
Location: Biotech-Chem Library
REM 1A59
Phone: 571-272-2523

Toby.Port@uspto.gov

Search Notes

Searches run against the **Published_Applications_AA** database on any Compugen machine between Feb 18 – Mar 16, 2004 had incomplete results.

The incomplete results were due to problem with the program that moves new applications into the **Published_Applications_AA** database. This problem was detected and corrected on Mar 17, 2004.

We have determined that a search was done for you on case in the **Published_Applications_AA** database between Feb 18 – Mar 16, 2004. This search has been rerun. The new results are attached.

STIC Database tracking # *115572* original search completed

3/3/04

89	42	57.5	10	14	US-10-351-641-1344	Sequence 1344, Ap	122	39	53.4	10	16	US-10-298-851-4	Sequence 4, Appli
90	42	57.5	10	15	US-10-360-101-1	Sequence 1, Appli	163	39	53.4	16	9	US-09-916-940-89	Sequence 89, Appli
91	42	57.5	10	15	US-10-360-101-126	Sequence 126, App	164	39	53.4	16	14	US-10-096-550-89	Sequence 89, Appli
92	42	57.5	10	15	US-10-360-101-136	Sequence 136, App	165	39	53.4	16	9	US-09-764-877-1251	Sequence 1251, Ap
93	42	57.5	10	15	US-10-360-101-239	Sequence 239, App	166	39	53.4	59	15	US-10-242-515-1251	Sequence 1251, Ap
94	42	57.5	10	15	US-10-617-561-9	Sequence 9, Appli	167	39	53.4	69	10	US-09-809-391-617	Sequence 617, App
95	42	57.5	11	13	US-10-044-034-17	Sequence 17, Appli	168	39	53.4	69	10	US-09-882-171-617	Sequence 617, App
96	42	57.5	11	13	US-10-351-641-1146	Sequence 1146, Ap	169	39	53.4	75	12	US-10-424-599-222861	Sequence 222861, Sequence 177171
97	42	57.5	18	14	US-10-351-641-1147	Sequence 1147, Ap	170	39	53.4	127	12	US-10-424-599-222861	Sequence 177171, Sequence 2532, Ap
98	42	57.5	18	14	US-10-351-641-1148	Sequence 1148, Ap	171	39	53.4	162	15	US-10-264-237-2532	Sequence 2532, Ap
99	42	57.5	18	14	US-10-351-641-1172	Sequence 1172, Ap	172	39	53.4	163	15	US-10-131-487A-188	Sequence 188, App
100	42	57.5	20	14	US-09-964-201A-26	Sequence 26, Appli	173	39	53.4	204	12	US-10-425-114-54068	Sequence 54068, A
101	42	57.5	22	14	US-10-351-641-1145	Sequence 1145, Ap	174	39	53.4	232	12	US-10-425-114-62251	Sequence 62251, A
102	42	57.5	26	14	US-10-351-641-1144	Sequence 1144, Ap	175	39	53.4	347	12	US-10-425-114-70687	Sequence 70687, A
103	42	57.5	33	15	US-10-617-561-3	Sequence 3, Appli	176	39	53.4	353	12	US-10-425-114-72738	Sequence 72738, A
104	42	57.5	33	15	US-10-617-561-4	Sequence 4, Appli	177	39	53.4	358	12	US-10-424-599-222904	Sequence 222904, Sequence 2010, Ap
105	42	57.5	40	10	US-09-964-201A-35	Sequence 35, Appli	178	39	53.4	380	15	US-10-017-161-2010	Sequence 1656, Ap
106	42	57.5	41	10	US-09-964-201A-34	Sequence 34, Appli	179	39	53.4	380	15	US-10-292-798-1656	Sequence 59511, A
107	42	57.5	43	9	US-09-019-010-4	Sequence 4, Appli	180	39	53.4	406	12	US-10-425-114-59511	Sequence 62681, A
108	42	57.5	49	10	US-09-305-924-11	Sequence 11, Appli	181	39	53.4	416	12	US-10-425-114-48475	Sequence 48475, A
109	42	57.5	157	9	US-09-934-249-9	Sequence 9, Appli	182	39	53.4	468	14	US-10-032-585-7824	Sequence 7824, Ap
110	42	57.5	157	9	US-10-097-340-33	Sequence 33, Appli	183	39	53.4	601	9	US-09-815-242-5070	Sequence 5070, Ap
111	42	57.5	158	14	US-09-943-846-17	Sequence 17, Appli	184	39	53.4	601	12	US-10-282-122A-43557	Sequence 43557, A
112	42	57.5	171	9	US-09-978-418-50	Sequence 50, Appli	185	39	53.4	601	12	US-10-282-122A-67868	Sequence 67868, A
113	42	57.5	171	10	US-10-197-666A-86	Sequence 86, Appli	186	39	53.4	601	12	US-10-282-122A-69603	Sequence 69603, A
114	42	57.5	171	14	US-10-247-671-138	Sequence 138, App	187	39	53.4	286	10	US-09-910-600-14	Sequence 14, Appli
115	42	57.5	221	9	US-09-925-299-967	Sequence 967, App	188	38.5	52.7	286	10	US-09-910-600-13	Sequence 13, Appli
116	42	57.5	221	9	US-09-925-299-967	Sequence 967, App	189	38.5	52.7	463	10	US-09-946-374-160	Sequence 160, App
117	42	57.5	221	10	US-09-925-299-967	Sequence 967, App	190	38.5	52.7	463	10	US-10-006-867-86	Sequence 286, App
118	42	57.5	226	12	US-10-425-114-56780	Sequence 56780, A	191	38.5	52.7	463	13	US-10-052-586-286	Sequence 286, App
119	42	57.5	383	15	US-10-369-493-21171	Sequence 21171, A	192	38.5	52.7	463	13	US-10-063-547-86	Sequence 86, Appli
120	42	57.5	695	10	US-09-305-924-13	Sequence 13, Appli	193	38.5	52.7	463	13	US-10-174-590-286	Sequence 286, App
121	41	56.2	9	13	US-10-109-331-6	Sequence 6, Appli	194	38.5	52.7	463	14	US-10-176-757-286	Sequence 286, App
122	41	56.2	9	13	US-10-109-331-10	Sequence 10, Appli	195	38.5	52.7	463	14	US-10-176-757-286	Sequence 286, App
123	41	56.2	9	13	US-10-109-331-14	Sequence 14, Appli	196	38.5	52.7	463	14	US-10-176-757-286	Sequence 286, App
124	41	56.2	9	13	US-10-109-331-16	Sequence 16, Appli	197	38.5	52.7	463	14	US-10-176-757-286	Sequence 286, App
125	41	56.2	9	13	US-10-109-331-18	Sequence 18, Appli	198	38.5	52.7	463	14	US-10-176-757-286	Sequence 286, App
126	41	56.2	9	13	US-10-109-331-22	Sequence 22, Appli	199	38.5	52.7	463	14	US-10-176-757-286	Sequence 286, App
127	41	56.2	9	13	US-10-109-331-24	Sequence 24, Appli	200	38.5	52.7	463	14	US-10-176-757-286	Sequence 286, App
128	41	56.2	9	13	US-10-109-331-26	Sequence 26, Appli	201	38.5	52.7	463	14	US-10-176-757-286	Sequence 286, App
129	41	56.2	9	13	US-10-109-331-28	Sequence 28, Appli	202	38.5	52.7	463	14	US-10-176-757-286	Sequence 286, App
130	41	56.2	9	13	US-10-109-331-30	Sequence 30, Appli	203	38.5	52.7	463	14	US-10-176-757-286	Sequence 286, App
131	41	56.2	9	13	US-10-617-561-17	Sequence 17, Appli	204	38.5	52.7	463	14	US-10-176-757-286	Sequence 286, App
132	41	56.2	10	15	US-10-617-561-17	Sequence 17, Appli	205	38.5	52.7	463	14	US-10-176-757-286	Sequence 286, App
133	41	56.2	474	9	US-09-738-626-6662	Sequence 6662, Ap	206	38.5	52.7	463	14	US-10-160-552-286	Sequence 286, App
134	40	54.8	19608	15	US-10-084-846A-8	Sequence 8, Appli	207	38.5	52.7	463	14	US-10-160-552-286	Sequence 286, App
135	40	54.8	9	13	US-10-109-331-20	Sequence 20, Appli	208	38.5	52.7	463	14	US-10-160-552-286	Sequence 286, App
136	40	54.8	10	9	US-09-810-601-1	Sequence 1, Appli	209	38.5	52.7	463	14	US-10-063-502-86	Sequence 86, Appli
137	40	54.8	10	10	US-09-305-924-4	Sequence 4, Appli	210	38.5	52.7	463	14	US-10-173-700-286	Sequence 286, App
138	40	54.8	10	15	US-10-170-096A-30	Sequence 30, Appli	211	38.5	52.7	463	14	US-10-173-700-286	Sequence 286, App
139	40	54.8	10	15	US-10-170-096A-31	Sequence 31, Appli	212	38.5	52.7	463	14	US-10-173-700-286	Sequence 286, App
140	40	54.8	10	15	US-10-360-101-151	Sequence 151, App	213	38.5	52.7	463	14	US-10-173-700-286	Sequence 286, App
141	40	54.8	10	15	US-10-617-561-1	Sequence 1, Appli	214	38.5	52.7	463	14	US-10-173-700-286	Sequence 286, App
142	40	54.8	16	10	US-09-305-924-5	Sequence 5, Appli	215	38.5	52.7	463	14	US-10-173-700-286	Sequence 286, App
143	40	54.8	17	9	US-09-305-924-4	Sequence 4, Appli	216	38.5	52.7	463	14	US-10-173-700-286	Sequence 286, App
144	40	54.8	31	9	US-09-848-834A-15	Sequence 15, Appli	217	38.5	52.7	463	14	US-10-173-700-286	Sequence 286, App
145	40	54.8	34	9	US-09-848-834A-13	Sequence 13, Appli	218	38.5	52.7	463	14	US-10-173-700-286	Sequence 286, App
146	40	54.8	36	9	US-09-848-834A-16	Sequence 16, Appli	219	38.5	52.7	463	14	US-10-173-700-286	Sequence 286, App
147	40	54.8	36	9	US-09-848-834A-14	Sequence 14, Appli	220	38.5	52.7	463	14	US-10-173-700-286	Sequence 286, App
148	40	54.8	47	9	US-09-848-834A-19	Sequence 19, Appli	221	38.5	52.7	463	14	US-10-173-700-286	Sequence 286, App
149	40	54.8	47	9	US-09-848-834A-17	Sequence 17, Appli	222	38.5	52.7	463	14	US-10-173-700-286	Sequence 286, App
150	40	54.8	50	9	US-09-848-834A-18	Sequence 18, Appli	223	38.5	52.7	463	14	US-10-173-700-286	Sequence 286, App
151	40	54.8	51	9	US-09-848-834A-20	Sequence 20, Appli	224	38.5	52.7	463	14	US-10-173-700-286	Sequence 286, App
152	40	54.8	165	14	US-10-097-111-319	Sequence 319, App	225	38.5	52.7	463	14	US-10-173-700-286	Sequence 286, App
153	40	54.8	255	14	US-10-162-639-4	Sequence 4, Appli	226	38.5	52.7	463	14	US-10-173-700-286	Sequence 286, App
154	40	54.8	295	12	US-10-424-599-165356	Sequence 165356, A	227	38.5	52.7	463	14	US-10-173-700-286	Sequence 286, App
155	40	54.8	307	9	US-09-864-761-36802	Sequence 36802, A	228	38.5	52.7	463	14	US-10-173-700-286	Sequence 286, App
156	40	54.8	321	15	US-10-364-049-2559	Sequence 2559, Ap	229	38.5	52.7	463	14	US-10-173-700-286	Sequence 286, App
157	40	54.8	417	15	US-10-369-493-4987	Sequence 4987, Ap	230	38.5	52.7	463	14	US-10-173-700-286	Sequence 286, App
158	39.5	54.1	456	12	US-10-382-122A-45836	Sequence 45836, A	231	38.5	52.7	463	14	US-10-173-700-286	Sequence 286, App
159	39.5	54.1	463	12	US-10-382-122A-45292	Sequence 45292, A	232	38.5	52.7	463	14	US-10-173-700-286	Sequence 286, App
160	39	53.4	10	15	US-10-360-101-302	Sequence 302, App	233	38.5	52.7	463	14	US-10-173-700-286	Sequence 286, App
161	39	53.4	10	16	US-10-298-378-4	Sequence 4, Appli	234	38.5	52.7	463	14	US-10-173-700-286	Sequence 286, App

235	38.5	52.7	463	14	US-10-176-481-286	Sequence 286, App	308	38.5	52.7	463	14	US-10-188-767-286	Sequence 286, App
236	38.5	52.7	463	14	US-10-176-485-286	Sequence 286, App	309	38.5	52.7	463	14	US-10-188-769-286	Sequence 286, App
237	38.5	52.7	463	14	US-10-176-487-286	Sequence 286, App	310	38.5	52.7	463	14	US-10-188-770-286	Sequence 286, App
238	38.5	52.7	463	14	US-10-176-493-286	Sequence 286, App	311	38.5	52.7	463	14	US-10-188-773-286	Sequence 286, App
239	38.5	52.7	463	14	US-10-176-756-286	Sequence 286, App	312	38.5	52.7	463	14	US-10-188-781-286	Sequence 286, App
240	38.5	52.7	463	14	US-10-176-911-286	Sequence 286, App	313	38.5	52.7	463	14	US-10-194-361-286	Sequence 286, App
241	38.5	52.7	463	14	US-10-176-919-286	Sequence 286, App	314	38.5	52.7	463	14	US-10-194-433-286	Sequence 286, App
242	38.5	52.7	463	14	US-10-176-925-286	Sequence 286, App	315	38.5	52.7	463	14	US-10-195-901-286	Sequence 286, App
243	38.5	52.7	463	14	US-10-176-978-286	Sequence 286, App	316	38.5	52.7	463	14	US-10-195-903-286	Sequence 286, App
244	38.5	52.7	463	14	US-10-179-510-286	Sequence 286, App	317	38.5	52.7	463	14	US-10-195-908-286	Sequence 286, App
245	38.5	52.7	463	14	US-10-180-543-286	Sequence 286, App	318	38.5	52.7	463	14	US-10-196-743-286	Sequence 286, App
246	38.5	52.7	463	14	US-10-180-544-286	Sequence 286, App	319	38.5	52.7	463	14	US-10-196-760-286	Sequence 286, App
247	38.5	52.7	463	14	US-10-180-546-286	Sequence 286, App	320	38.5	52.7	463	14	US-10-173-708-286	Sequence 286, App
248	38.5	52.7	463	14	US-10-180-547-286	Sequence 286, App	321	38.5	52.7	463	14	US-10-176-479-286	Sequence 286, App
249	38.5	52.7	463	14	US-10-180-549-286	Sequence 286, App	322	38.5	52.7	463	14	US-10-176-748-286	Sequence 286, App
250	38.5	52.7	463	14	US-10-180-555-286	Sequence 286, App	323	38.5	52.7	463	14	US-10-176-916-286	Sequence 286, App
251	38.5	52.7	463	14	US-10-180-559-286	Sequence 286, App	324	38.5	52.7	463	14	US-10-179-507-286	Sequence 286, App
252	38.5	52.7	463	14	US-10-181-000-286	Sequence 286, App	325	38.5	52.7	463	14	US-10-179-516-286	Sequence 286, App
253	38.5	52.7	463	14	US-10-183-010-286	Sequence 286, App	326	38.5	52.7	463	14	US-10-179-519-286	Sequence 286, App
254	38.5	52.7	463	14	US-10-183-012-286	Sequence 286, App	327	38.5	52.7	463	14	US-10-179-525-286	Sequence 286, App
255	38.5	52.7	463	14	US-10-184-614-286	Sequence 286, App	328	38.5	52.7	463	14	US-10-180-540-286	Sequence 286, App
256	38.5	52.7	463	14	US-10-184-623-286	Sequence 286, App	329	38.5	52.7	463	14	US-10-180-545-286	Sequence 286, App
257	38.5	52.7	463	14	US-10-184-635-286	Sequence 286, App	330	38.5	52.7	463	14	US-10-183-008-286	Sequence 286, App
258	38.5	52.7	463	14	US-10-184-637-286	Sequence 286, App	331	38.5	52.7	463	14	US-10-183-009-286	Sequence 286, App
259	38.5	52.7	463	14	US-10-184-646-286	Sequence 286, App	332	38.5	52.7	463	14	US-10-183-017-286	Sequence 286, App
260	38.5	52.7	463	14	US-10-184-647-286	Sequence 286, App	333	38.5	52.7	463	14	US-10-183-019-286	Sequence 286, App
261	38.5	52.7	463	14	US-10-184-652-286	Sequence 286, App	334	38.5	52.7	463	14	US-10-184-618-286	Sequence

```
381 38.5 52.7 463 14 US-10-197-700-286 Sequence 286, App
382 38.5 52.7 463 14 US-10-197-705-286 Sequence 286, App
383 38.5 52.7 463 14 US-10-197-708-286 Sequence 286, App
384 38.5 52.7 463 14 US-10-198-764-286 Sequence 286, App
385 38.5 52.7 463 14 US-10-198-765-286 Sequence 286, App
386 38.5 52.7 463 14 US-10-198-768-286 Sequence 286, App
387 38.5 52.7 463 14 US-10-198-769-286 Sequence 286, App
388 38.5 52.7 463 14 US-10-199-305-286 Sequence 286, App
389 38.5 52.7 463 14 US-10-199-306-286 Sequence 286, App
390 38.5 52.7 463 14 US-10-199-310-286 Sequence 286, App
391 38.5 52.7 463 14 US-10-199-311-286 Sequence 286, App
392 38.5 52.7 463 14 US-10-199-314-286 Sequence 286, App
393 38.5 52.7 463 14 US-10-199-317-286 Sequence 286, App
394 38.5 52.7 463 14 US-10-199-665-286 Sequence 286, App
395 38.5 52.7 463 14 US-10-199-666-286 Sequence 286, App
396 38.5 52.7 463 14 US-10-199-669-286 Sequence 286, App
397 38.5 52.7 463 14 US-10-201-534-286 Sequence 286, App
398 38.5 52.7 463 14 US-10-201-770-286 Sequence 286, App
399 38.5 52.7 463 14 US-10-201-855-286 Sequence 286, App
400 38.5 52.7 463 14 US-10-201-856-286 Sequence 286, App
401 38.5 52.7 463 14 US-10-202-469-286 Sequence 286, App
402 38.5 52.7 463 14 US-10-202-470-286 Sequence 286, App
403 38.5 52.7 463 14 US-10-202-476-286 Sequence 286, App
404 38.5 52.7 463 14 US-10-202-934-286 Sequence 286, App
405 38.5 52.7 463 14 US-10-202-935-286 Sequence 286, App
406 38.5 52.7 463 14 US-10-202-936-286 Sequence 286, App
407 38.5 52.7 463 14 US-10-202-939-286 Sequence 286, App
408 38.5 52.7 463 14 US-10-205-504-286 Sequence 286, App
409 38.5 52.7 463 14 US-10-205-509-286 Sequence 286, App
410 38.5 52.7 463 14 US-10-205-895-286 Sequence 286, App
411 38.5 52.7 463 14 US-10-205-899-286 Sequence 286, App
412 38.5 52.7 463 14 US-10-205-900-286 Sequence 286, App
413 38.5 52.7 463 14 US-10-205-903-286 Sequence 286, App
414 38.5 52.7 463 14 US-10-195-890-286 Sequence 286, App
415 38.5 52.7 463 14 US-10-063-598-86 Sequence 86, App1
416 38.5 52.7 463 14 US-10-227-693-86 Sequence 86, App1
417 38.5 52.7 463 14 US-10-006-818A-160 Sequence 160, App
418 38.5 52.7 463 14 US-10-183-002-286 Sequence 286, App
419 38.5 52.7 463 14 US-10-184-621-286 Sequence 286, App
420 38.5 52.7 463 14 US-10-184-638-286 Sequence 286, App
421 38.5 52.7 463 14 US-10-187-752-286 Sequence 286, App
422 38.5 52.7 463 14 US-10-187-887-286 Sequence 286, App
423 38.5 52.7 463 14 US-10-194-461-286 Sequence 286, App
424 38.5 52.7 463 14 US-10-195-892-286 Sequence 286, App
425 38.5 52.7 463 14 US-10-195-751-286 Sequence 286, App
426 38.5 52.7 463 14 US-10-197-694-286 Sequence 286, App
427 38.5 52.7 463 14 US-10-197-697-286 Sequence 286, App
428 38.5 52.7 463 14 US-10-197-707-286 Sequence 286, App
429 38.5 52.7 463 14 US-10-199-303-286 Sequence 286, App
430 38.5 52.7 463 14 US-10-199-318-286 Sequence 286, App
431 38.5 52.7 463 14 US-10-199-458-286 Sequence 286, App
432 38.5 52.7 463 14 US-10-199-462-286 Sequence 286, App
433 38.5 52.7 463 14 US-10-201-324-286 Sequence 286, App
434 38.5 52.7 463 14 US-10-201-328-286 Sequence 286, App
435 38.5 52.7 463 14 US-10-201-527-286 Sequence 286, App
436 38.5 52.7 463 14 US-10-201-528-286 Sequence 286, App
437 38.5 52.7 463 14 US-10-201-529-286 Sequence 286, App
438 38.5 52.7 463 14 US-10-201-530-286 Sequence 286, App
439 38.5 52.7 463 14 US-10-202-408-286 Sequence 286, App
440 38.5 52.7 463 14 US-10-202-409-286 Sequence 286, App
441 38.5 52.7 463 14 US-10-202-411-286 Sequence 286, App
442 38.5 52.7 463 14 US-10-202-472-286 Sequence 286, App
443 38.5 52.7 463 14 US-10-205-502-286 Sequence 286, App
444 38.5 52.7 463 14 US-10-205-507-286 Sequence 286, App
445 38.5 52.7 463 14 US-10-205-511-286 Sequence 286, App
446 38.5 52.7 463 14 US-10-205-902-286 Sequence 286, App
447 38.5 52.7 463 14 US-10-205-907-286 Sequence 286, App
448 38.5 52.7 463 14 US-10-194-456-286 Sequence 286, App
449 38.5 52.7 463 14 US-10-196-758-286 Sequence 286, App
450 38.5 52.7 463 14 US-10-198-770-286 Sequence 286, App
451 38.5 52.7 463 14 US-10-199-308-286 Sequence 286, App
452 38.5 52.7 463 14 US-10-200-617-286 Sequence 286, App
453 38.5 52.7 463 14 US-10-205-893-286 Sequence 286, App
454 38.5 52.7 463 14 US-10-205-897-286 Sequence 286, App
455 38.5 52.7 463 14 US-10-174-571-286 Sequence 286, App
456 38.5 52.7 463 14 US-10-176-923-286 Sequence 286, App
457 38.5 52.7 463 14 US-10-183-011-286 Sequence 286, App
458 38.5 52.7 463 14 US-10-184-633-286 Sequence 286, App
459 38.5 52.7 463 14 US-10-184-639-286 Sequence 286, App
460 38.5 52.7 463 14 US-10-187-743-286 Sequence 286, App
461 38.5 52.7 463 14 US-10-187-748-286 Sequence 286, App
462 38.5 52.7 463 14 US-10-188-768-286 Sequence 286, App
463 38.5 52.7 463 14 US-10-188-771-286 Sequence 286, App
464 38.5 52.7 463 14 US-10-192-006-286 Sequence 286, App
465 38.5 52.7 463 14 US-10-192-008-286 Sequence 286, App
466 38.5 52.7 463 14 US-10-192-009-286 Sequence 286, App
467 38.5 52.7 463 14 US-10-192-012-286 Sequence 286, App
468 38.5 52.7 463 14 US-10-192-013-286 Sequence 286, App
469 38.5 52.7 463 14 US-10-192-014-286 Sequence 286, App
470 38.5 52.7 463 14 US-10-192-016-286 Sequence 286, App
471 38.5 52.7 463 14 US-10-194-362-286 Sequence 286, App
472 38.5 52.7 463 14 US-10-194-364-286 Sequence 286, App
473 38.5 52.7 463 14 US-10-194-395-286 Sequence 286, App
474 38.5 52.7 463 14 US-10-194-424-286 Sequence 286, App
475 38.5 52.7 463 14 US-10-194-428-286 Sequence 286, App
476 38.5 52.7 463 14 US-10-194-458-286 Sequence 286, App
477 38.5 52.7 463 14 US-10-194-459-286 Sequence 286, App
478 38.5 52.7 463 14 US-10-194-488-286 Sequence 286, App
479 38.5 52.7 463 14 US-10-195-886-286 Sequence 286, App
480 38.5 52.7 463 14 US-10-195-891-286 Sequence 286, App
481 38.5 52.7 463 14 US-10-196-746-286 Sequence 286, App
482 38.5 52.7 463 14 US-10-196-753-286 Sequence 286, App
483 38.5 52.7 463 14 US-10-196-753-286 Sequence 286, App
484 38.5 52.7 463 14 US-10-196-761-286 Sequence 286, App
485 38.5 52.7 463 14 US-10-197-692-286 Sequence 286, App
486 38.5 52.7 463 14 US-10-197-693-286 Sequence 286, App
487 38.5 52.7 463 14 US-10-197-696-286 Sequence 286, App
488 38.5 52.7 463 14 US-10-197-703-286 Sequence 286, App
489 38.5 52.7 463 14 US-10-197-711-286 Sequence 286, App
490 38.5 52.7 463 14 US-10-198-757-286 Sequence 286, App
491 38.5 52.7 463 14 US-10-198-761-286 Sequence 286, App
492 38.5 52.7 463 14 US-10-198-762-286 Sequence 286, App
493 38.5 52.7 463 14 US-10-198-763-286 Sequence 286, App
494 38.5 52.7 463 14 US-10-198-767-286 Sequence 286, App
495 38.5 52.7 463 14 US-10-199-301-286 Sequence 286, App
496 38.5 52.7 463 14 US-10-199-307-286 Sequence 286, App
497 38.5 52.7 463 14 US-10-199-312-286 Sequence 286, App
498 38.5 52.7 463 14 US-10-199-315-286 Sequence 286, App
499 38.5 52.7 463 14 US-10-015-480A-160 Sequence 160, App
```

ALIGNMENTS

```
RESULT 1
US-10-360-101-2 ; Sequence 2, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10360,101
; PRIOR FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ IDS NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: LRRH2 sequence
```

US-10-360-101-2

Query Match 95.9%; Score 70; DB 15; Length 10;
Best Local Similarity 90.0%; Pred. No. 0.0051;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EHWSHGWYPG 10
Db 1 QHWSHGWPY 10

RESULT 2

US-10-360-101-303
; Sequence 303, Application US/10360101
; Publication No. US2004009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; PRIOR FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 303
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: LHRH1 analogue
; NAME/KEY: SITE
; LOCATION: (4)...(6)
; OTHER INFORMATION: No. US2004009550A1e = "A" on pos. 4 and 6 are linked by "S"
US-10-360-101-303

Query Match 95.9%; Score 70; DB 15; Length 10;
Best Local Similarity 90.0%; Pred. No. 0.0051;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EHWSHGWYPG 10
Db 1 QHWSHGWPY 10

RESULT 3

US-10-360-101-304
; Sequence 304, Application US/10360101
; Publication No. US2004009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; PRIOR FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 304
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: LHRH2 analogue
US-10-360-101-304

Query Match 95.9%; Score 70; DB 15; Length 10;
Best Local Similarity 90.0%; Pred. No. 0.0051;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EHWSHGWYPG 10
Db 1 QHWSHGWPY 10

RESULT 4

US-10-617-561-18
; Sequence 18, Application US/10617561
; Publication No. US20040018967A1
; GENERAL INFORMATION:
; APPLICANT: La. State Univ. & Mech. Coll., Board of Supervisors
; APPLICANT: Frederick M.
; APPLICANT: Jaynes, Jesse M.
; APPLICANT: Hansel, William
; APPLICANT: Koonce, Kenneth L.
; APPLICANT: McCann, Samuel M.
; APPLICANT: Yu, Wen H.
; APPLICANT: Melrose, Patricia A.
; APPLICANT: Foil, Lane D.
; APPLICANT: Elzer, Philip H.
; TITLE OF INVENTION: Ligand/Lytic Peptide Compositions and Methods of Use
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: John H. Runnels
; STREET: P. O. Box 2471
; CITY: Baton Rouge
; STATE: LA
; COUNTRY: USA
; ZIP: 70821-2471
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/617,561
; FILING DATE: 11-Jul-2003
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/381,879
; FILING DATE: 25-Aug-1999
; ATTORNEY/AGENT INFORMATION:
; NAME: Runnels, John H.
; REGISTRATION NUMBER: 33,451
; REFERENCE/DOCKET NUMBER: 96A3 2-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (225) 387-3221
; TELEFAX: (225) 346-8049
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..10
; OTHER INFORMATION: /note= "Xaa in position 1 denotes pyro-glutamic acid. This sequence is chicken II GnRH."
; SEQUENCE DESCRIPTION: SEQ ID NO: 18:
US-10-617-561-18

Query Match 93.2%; Score 68; DB 15; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.0095;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 HWSHGWPY 10
Db 2 HWSHGWPY 10

```
RESULT 5
US-09-941-094A-2
; Sequence 2, Application US/09941094A
; Patent No. US20020065226A1
; GENERAL INFORMATION:
; APPLICANT: Siler-Khodr, Theresa M.
; TITLE OF INVENTION: No. US20020065226A1-Mammalian GnRH Analogs and Uses Thereof in Re
; TITLE OF INVENTION: Pregnancy
; FILE REFERENCE: P7345.2(CIP)
; CURRENT APPLICATION NUMBER: US/09/941,094A
; CURRENT FILING DATE: 2001-08-28
; PRIOR APPLICATION NUMBER: US 09/419,161
; PRIOR FILING DATE: 1999-10-15
; NUMBER OF SEQ ID NOS: 4
; SEQ ID NO 2
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Gallus gallus
; FEATURE:
; NAME/KEY: mat peptide
; LOCATION: within brain mRNA 121-150, within brain gene 2174-2203.
; OTHER INFORMATION: MOD_RES substitution of Gly residue at 10 by aza-Gly-NH2. Xaa re
; OTHER INFORMATION: D-Arg. MOD_RES Glu at position 1 is pyroglutamic acid.
US-09-941-094A-2
Query Match 90.4%; Score 66; DB 9; Length 10;
Best Local Similarity 90.0%; Pred. No. 0.017;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1 EHWSHGWYPG 10
Db 1 EHWSHXWYPG 10
|||||
|||||

RESULT 6
US-10-360-101-144
; Sequence 144, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 144
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: (S1,C4)-sequence of LHRH2
US-10-360-101-144
Query Match 86.3%; Score 63; DB 15; Length 10;
Best Local Similarity 88.9%; Pred. No. 0.043;
Matches 8; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 2 HWSHGWP 10
Db 2 HWSHGWP 10
|||||
|||||

RESULT 7
US-10-109-331-5
; Sequence 5, Application US/10109331
; Publication No. US20020165159A1
; GENERAL INFORMATION:
; APPLICANT: McCann, Samuel M.
; TITLE OF INVENTION: FSH-Releasing Peptides
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: John H. Runnels
; STREET: P. O. Box 2471
; CITY: Baton Rouge
; STATE: LA
; COUNTRY: USA
; ZIP: 70821-2471
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/109,331
; FILING DATE: 28-Mar-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/297,989
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Runnels, John H.
; REGISTRATION NUMBER: 33451
; REFERENCE/DOCKET NUMBER: 9703P-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (225) 387-3221
; TELEFAX: (225) 346-8049
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; OTHER INFORMATION: /note= "Xaa at 1 is pyro-Glu; Xaa
; at 10 is Gly-NH2"
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-10-109-331-5
Query Match 84.9%; Score 62; DB 13; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.059;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 2 HWSHGWP 9
Db 2 HWSHGWP 9
|||||
|||||

RESULT 8
US-10-170-096A-32
; Sequence 32, Application US/10170096A
; Publication No. US20030236184A1
; GENERAL INFORMATION:
; APPLICANT: University Of New Hampshire
; APPLICANT: Sower, Stacia A
; APPLICANT: Silver, Matt
; TITLE OF INVENTION: No. US20030236184A1el Polynucleotides Encoding Lamprey GnRH-III
; FILE REFERENCE: 9815/59339
; CURRENT APPLICATION NUMBER: US/10/170,096A
; CURRENT FILING DATE: 2002-08-08
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 32
; LENGTH: 10
; TYPE: PRT
; ORGANISM: chicken
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(1)
; OTHER INFORMATION: X at position 1 = pGlu
```



```
;
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (10)_(10)
; OTHER INFORMATION: X at position 10 = Gly-NH2
US-10-170-098A-32

Query Match      84.9%; Score 62; DB 15; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.059;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 HWSHGWP 9
Db 2 HWSHGWP 9

RESULT 9
US-10-360-101-153
; Sequence 153, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 153
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: (Q1,C8)-sequence of LHRH2
US-10-360-101-153

Query Match      83.6%; Score 61; DB 15; Length 10;
Best Local Similarity 80.0%; Pred. No. 0.08;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 EWSHGWP 10
Db 1 QWSHGWP 10

RESULT 10
US-10-360-101-308
; Sequence 308, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 308
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: LHRH2 analogue
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (4)..(6)
; OTHER INFORMATION: No. US20040009550A1e = "A" on pos. 4 and 6 are linked by "S"
US-10-360-101-308
```

```
Query Match      83.6%; Score 61; DB 15; Length 10;
Best Local Similarity 70.0%; Pred. No. 0.08;
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 EWSHGWP 10
Db 1 QWSHGWP 10

RESULT 11
US-10-360-101-114
; Sequence 114, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 114
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: (C9)-sequence of gonadoliberin II
US-10-360-101-114

Query Match      82.2%; Score 60; DB 15; Length 10;
Best Local Similarity 80.0%; Pred. No. 0.11;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 EWSHGWP 10
Db 1 QWSHGWP 10

RESULT 12
US-10-360-101-154
; Sequence 154, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 154
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: (Q1,C9)-sequence of LHRH2
US-10-360-101-154

Query Match      82.2%; Score 60; DB 15; Length 10;
Best Local Similarity 80.0%; Pred. No. 0.11;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 EWSHGWP 10
Db 1 QWSHGWP 10
```

RESULT 13
US-10-360-101-307
; Sequence 307, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; PRIOR FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 307
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: LHRH2 analogue
; NAME/KEY: SITE
; LOCATION: (2)..(4)
; OTHER INFORMATION: No. US20040009550A1e = "A" on pos. 2 and 4 are linked by "S"
US-10-360-101-307

Query Match 78.1%; Score 57; DB 15; Length 10;
Best Local Similarity 87.5%; Pred. No. 0.27;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 3 WSHGWYPG 10
|:|||||
DB 3 WAHGWYPG 10

RESULT 14
US-10-360-101-309
; Sequence 309, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; PRIOR FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 309
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: (Q1,C7)-Sequence of LHRH2
US-10-360-101-309

Query Match 78.1%; Score 57; DB 15; Length 10;
Best Local Similarity 80.0%; Pred. No. 0.27;
Matches 8; Conservative 1; Mismatches 1; Indels 1; Gaps 0;

QY 1 EHWSEGWYPG 10
:|||||
DB 1 QHWSHGCYPG 10

RESULT 15
US-10-360-101-146
; Sequence 146, Application US/10360101
; Publication No. US20040009550A1

; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; PRIOR FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 146
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: (S1,A4,C6)-sequence of LHRH2
US-10-360-101-146

Query Match 76.7%; Score 56; DB 15; Length 10;
Best Local Similarity 77.8%; Pred. No. 0.37;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 HWSHGWPY 10
||:|||||
DB 2 HWAHCWYPG 10

RESULT 16
US-10-360-101-159
; Sequence 159, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; PRIOR FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 159
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: (Q1,A4,S6,C10)-sequence of LHRH2
US-10-360-101-159

Query Match 75.3%; Score 55; DB 15; Length 10;
Best Local Similarity 66.7%; Pred. No. 0.5;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 EHWSEGWYP 9
||:|||||
DB 1 QHWSHGWYP 9

RESULT 17
US-10-170-096A-33
; Sequence 33, Application US/10170096A
; Publication No. US20030236184A1
; GENERAL INFORMATION:
; APPLICANT: University of New Hampshire
; APPLICANT: Sower, Stacia A
; APPLICANT: Silver, Matt
; TITLE OF INVENTION: No. US20030236184A1 Polynucleotides Encoding Lamprey GnRH-III
; FILE REFERENCE: 9815/59339
; CURRENT APPLICATION NUMBER: US/10/170,096A
; CURRENT FILING DATE: 2002-08-08
; NUMBER OF SEQ ID NOS: 37

SOFTWARE: PatentIn version 3.1
 SEQ ID NO 33
 LENGTH: 10
 TYPE: PRT
 ORGANISM: dogfish
 FEATURE:
 NAME/KEY: MISC_FEATURE
 LOCATION: (1)..(1)
 OTHER INFORMATION: X at position 1 = pGlu
 FEATURE:
 NAME/KEY: MISC_FEATURE
 LOCATION: (10)..(10)
 OTHER INFORMATION: X at position 10 = Gly-NH2
 US-10-170-096A-33

Query Match 74.0%; Score 54; DB 15; Length 10;
 Best Local Similarity 87.5%; Pred. No. 0.67;
 Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 HWSHGWP 9
 Db 2 HWSHGWP 9

RESULT 18
 US-10-360-101-145
 Sequence 145, Application US/10360101
 Publication No. US2004000950A1
 GENERAL INFORMATION:
 APPLICANT: Moll, Gert N.
 APPLICANT: Leenhouts, Cornelis J.
 TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
 FILE REFERENCE: 2183-5673
 CURRENT APPLICATION NUMBER: US/10/360,101
 CURRENT FILING DATE: 2003-02-07
 PRIOR APPLICATION NUMBER: EP 02077060.8
 PRIOR FILING DATE: 2002-05-24
 NUMBER OF SEQ ID NOS: 309
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO 145
 LENGTH: 10
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: (S1,A4,C5)-sequence of LHRH2
 US-10-360-101-145

Query Match 74.0%; Score 54; DB 15; Length 10;
 Best Local Similarity 77.8%; Pred. No. 0.67;
 Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 HWSHGWP 10
 Db 2 HWACGWPG 10

RESULT 19
 US-10-170-096A-6
 Sequence 6, Application US/10170096A
 Publication No. US20030236184A1
 GENERAL INFORMATION:
 APPLICANT: University Of New Hampshire
 APPLICANT: Sower, Stacia A
 TITLE OF INVENTION: No. US20030236184A1 Polynucleotides Encoding Lamprey GnRH-III
 FILE REFERENCE: 9815/59339
 CURRENT APPLICATION NUMBER: US/10/170,096A
 CURRENT FILING DATE: 2002-08-08
 NUMBER OF SEQ ID NOS: 37
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO 6
 LENGTH: 92
 TYPE: PRT

ORGANISM: 1. tridentatus
 US-10-170-096A-6

Query Match 74.0%; Score 54; DB 15; Length 92;
 Best Local Similarity 70.0%; Pred. No. 4.2;
 Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 EWSHGWP 10
 Db 25 QHSHDWKPG 34

RESULT 20
 US-10-170-096A-8
 Sequence 8, Application US/10170096A
 Publication No. US20030236184A1
 GENERAL INFORMATION:
 APPLICANT: University Of New Hampshire
 APPLICANT: Sower, Stacia A
 TITLE OF INVENTION: No. US20030236184A1 Polynucleotides Encoding Lamprey GnRH-III
 FILE REFERENCE: 9815/59339
 CURRENT APPLICATION NUMBER: US/10/170,096A
 CURRENT FILING DATE: 2002-08-08
 NUMBER OF SEQ ID NOS: 37
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO 8
 LENGTH: 93
 TYPE: PRT
 ORGANISM: p. marinus
 US-10-170-096A-8

Query Match 74.0%; Score 54; DB 15; Length 93;
 Best Local Similarity 70.0%; Pred. No. 4.2;
 Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 EWSHGWP 10
 Db 25 QHSHDWKPG 34

RESULT 21
 US-10-170-096A-2
 Sequence 2, Application US/10170096A
 Publication No. US20030236184A1
 GENERAL INFORMATION:
 APPLICANT: University Of New Hampshire
 APPLICANT: Sower, Stacia A
 TITLE OF INVENTION: No. US20030236184A1 Polynucleotides Encoding Lamprey GnRH-III
 FILE REFERENCE: 9815/59339
 CURRENT APPLICATION NUMBER: US/10/170,096A
 CURRENT FILING DATE: 2002-08-08
 NUMBER OF SEQ ID NOS: 37
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO 2
 LENGTH: 94
 TYPE: PRT
 ORGANISM: g. australis
 US-10-170-096A-2

Query Match 74.0%; Score 54; DB 15; Length 94;
 Best Local Similarity 70.0%; Pred. No. 4.2;
 Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 EWSHGWP 10
 Db 26 QHSHDWKPG 35

RESULT 22
 US-10-360-101-305
 Sequence 305, Application US/10360101

```
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Siler-Khodr, Theresa M.
; TITLE OF INVENTION: No. US20020065226A1-Mammalian GHRH Analogs and Uses Thereof in R
; FILE REFERENCE: P7345-2(CIP)
; CURRENT APPLICATION NUMBER: US/09/941,094A
; CURRENT FILING DATE: 2001-08-28
; PRIOR APPLICATION NUMBER: US 09/419,161
; PRIOR FILING DATE: 1999-10-15
; NUMBER OF SEQ ID NOS: 4
; SEQ ID NO 4
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Salmo salar
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: unknown
; OTHER INFORMATION: MOD_RES substitution of Gly residue at 10 with aza-Gly-NH2. Xaa
; OTHER INFORMATION: D-Arg. MOD_RES Glu at position 1 is pyroglutamic acid.
US-09-941-094A-4

Query Match 71.2%; Score 52; DB 9; Length 10;
Best Local Similarity 70.0%; Pred. No. 1.2;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 EHWSHGWYPG 10
   |||:||||
Db 1 EHWXYWLPG 10

RESULT 25
US-10-360-101-157
; Sequence 157, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 157
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: (Q1,A4,S5,C10)-sequence of LHRH2
US-10-360-101-157

Query Match 71.2%; Score 52; DB 15; Length 10;
Best Local Similarity 66.7%; Pred. No. 1.2;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 EHWSHGWYP 9
   |||:||||
Db 1 QHWSGWYP 9

RESULT 26
US-10-617-561-16
; Sequence 16, Application US/10617561
; Publication No. US20040018967A1
; GENERAL INFORMATION:
; APPLICANT: La. State Univ. & Mech. Coll., Board of Supervisors
; Enright, Frederick M.
; Jaynes, Jesse M.
; Hansel, William
; Koonce, Kenneth L.
; McCann, Samuel M.
```

```
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 305
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (6)..(9)
; OTHER INFORMATION: No. US20040009550A1e = "A" on pos. 6 and 9 are linked by "S"
US-10-360-101-305

Query Match 72.6%; Score 53; DB 15; Length 10;
Best Local Similarity 60.0%; Pred. No. 0.91;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 EHWSHGWYPG 10
   |||:||||
Db 1 QHWAHAWYAG 10

RESULT 23
US-10-360-101-306
; Sequence 306, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 306
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: LHRH2 analogue
; NAME/KEY: SITE
; LOCATION: (4)..(7)
; OTHER INFORMATION: No. US20040009550A1e = "A" on pos. 4 and 7 are linked by "S"
US-10-360-101-306

Query Match 72.6%; Score 53; DB 15; Length 10;
Best Local Similarity 70.0%; Pred. No. 0.91;
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 EHWSHGWYPG 10
   |||:||||
Db 1 QHWAHAWYAG 10

RESULT 24
US-09-941-094A-4
; Sequence 4, Application US/09941094A
; Patent No. US20020065226A1
```

Yu, Wen H.
Melrose, Patricia A.
Foill, Lane D.
Elzer, Philip H.
TITLE OF INVENTION: Ligand/Lytic Peptide Compositions and
METHODS OF USE
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: John H. Runnels
STREET: P. O. Box 2471
CITY: Baton Rouge
STATE: LA
COUNTRY: USA
ZIP: 70821-2471
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/617,561
FILING DATE: 11-Jul-2003
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/381,879
FILING DATE: 25-Aug-1999
ATTORNEY/AGENT INFORMATION:
NAME: Runnels, John H.
REGISTRATION NUMBER: 33,451
REFERENCE/DOCKET NUMBER: 96A3.2-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (225) 387-3221
TELEFAX: (225) 346-8049
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..10
OTHER INFORMATION: /note= "Xaa in position 1 denotes
pyro-glutamic acid. This sequence is 1-LHRH-III."
SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-10-617-561-16

Query Match 71.2%; Score 52; DB 15; Length 10;
Best Local Similarity 77.8%; Pred. No. 1.2;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 HWSHGWTYPG 10
|||
Db 2 HWSHDWKEG 10
|||

RESULT 27
US-10-617-561-15
Sequence 15, Application US/10617561
Publication No. US20040018967A1
GENERAL INFORMATION:
APPLICANT: La. State Univ. & Mech. Coll., Board of Supervisors
Enright, Frederick M.
Jaynes, Jesse M.
Hansel, William
Koonce, Kenneth L.
McCann, Samuel M.
Yu, Wen H.
Melrose, Patricia A.
Foill, Lane D.
Elzer, Philip H.
TITLE OF INVENTION: Ligand/Lytic Peptide Compositions and
METHODS OF USE

NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: John H. Runnels
STREET: P. O. Box 2471
CITY: Baton Rouge
STATE: LA
COUNTRY: USA
ZIP: 70821-2471
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/617,561
FILING DATE: 11-Jul-2003
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/381,879
FILING DATE: 25-Aug-1999
ATTORNEY/AGENT INFORMATION:
NAME: Runnels, John H.
REGISTRATION NUMBER: 33,451
REFERENCE/DOCKET NUMBER: 96A3.2-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (225) 387-3221
TELEFAX: (225) 346-8049
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 33 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..33
OTHER INFORMATION: /note= "Xaa in position 1 denotes
pyro-glutamic acid. This sequence is an
1-LHRH-III/hecate fusion peptide."
SEQUENCE DESCRIPTION: SEQ ID NO: 15:
US-10-617-561-15

Query Match 71.2%; Score 52; DB 15; Length 33;
Best Local Similarity 77.8%; Pred. No. 3.3;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 HWSHGWTYPG 10
|||
Db 2 HWSHDWKEG 10
|||

RESULT 28
US-10-360-101-158
Sequence 158, Application US/10360101
Publication No. US20040009550A1
GENERAL INFORMATION:
APPLICANT: Moll, Gert N.
APPLICANT: Leenhouts, Cornelis J.
TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
FILE REFERENCE: 2183-5673
CURRENT APPLICATION NUMBER: US/10/360,101
CURRENT FILING DATE: 2003-02-07
PRIOR APPLICATION NUMBER: EP 02077060.8
PRIOR FILING DATE: 2002-05-24
NUMBER OF SEQ ID NOS: 309
SOFTWARE: Patent in version 3.1
SEQ ID NO 158
LENGTH: 10
TYPE: PPT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: (Q1,A4,S6,C9)-sequence of LHRH2
US-10-360-101-158

```
Query Match      69.9%; Score 51; DB 15; Length 10;
Best Local Similarity 60.0%; Pred. No. 1.7;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 EHWSHGWYPG 10
   :||:||||
Db 1 QHWAHSWYCG 10

RESULT 29
US-10-170-096A-4
; Sequence 4, Application US/10170096A
; Publication No. US20030236184A1
; GENERAL INFORMATION:
; APPLICANT: University Of New Hampshire
; APPLICANT: Sower, Stacia A
; APPLICANT: Silver, Matt
; TITLE OF INVENTION: NO. US20030236184A1 Polynucleotides Encoding Lamprey GnRH-III
; FILE REFERENCE: 9815/59339
; CURRENT APPLICATION NUMBER: US/10/170,096A
; CURRENT FILING DATE: 2002-08-08
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 92
; TYPE: PRT
; ORGANISM: m. mordax
US-10-170-096A-4

Query Match      69.9%; Score 51; DB 15; Length 92;
Best Local Similarity 60.0%; Pred. No. 10;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 EHWSHGWYPG 10
   :||:||||
Db 25 QHWHDMKPG 34

RESULT 30
US-10-424-599-229288
; Sequence 229288, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21/532237B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 229288
; LENGTH: 68
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_49072C.1.pep
US-10-424-599-229288

Query Match      68.5%; Score 50; DB 12; Length 68;
Best Local Similarity 77.8%; Pred. No. 11;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 EHWSHGWYP 9
   |||||
Db 31 EHWDRGGYP 39

RESULT 31
US-10-360-101-148
; Sequence 148, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 148
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: (Q1,S2,A4,C6)-sequence of LHRH2
US-10-360-101-148

Query Match      67.1%; Score 49; DB 15; Length 10;
Best Local Similarity 60.0%; Pred. No. 3.1;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 EHWSHGWYPG 10
   :||:||||
Db 1 QSWAHCWYPG 10

RESULT 32
US-10-360-101-155
; Sequence 155, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 155
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: (Q1,A4,S5,C8)-sequence of LHRH2
US-10-360-101-155

Query Match      67.1%; Score 49; DB 15; Length 10;
Best Local Similarity 60.0%; Pred. No. 3.1;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 EHWSHGWYPG 10
   :||:||||
Db 1 QHWASGWCYPG 10

RESULT 33
US-10-109-331-4
; Sequence 4, Application US/10109331
; Publication No. US20020165159A1
; GENERAL INFORMATION:
; APPLICANT: McCann, Samuel M.
; APPLICANT: Yu, Wen H.
; TITLE OF INVENTION: FSH-Releasing Peptides
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: John H. Runnels
```

STREET: P. O. Box 2471
CITY: Baton Rouge
STATE: LA
COUNTRY: USA
ZIP: 70821-2471
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25;
WordPerfect 5.1; No. US20020165159A1eapad Version 4.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/109,331
FILING DATE: 28-Mar-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/297,989
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Runnels, John H.
REGISTRATION NUMBER: 33451
REFERENCE/DOCKET NUMBER: 9703P-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (225) 387-3221
TELEFAX: (225) 346-8049
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
OTHER INFORMATION: /note= "Xaa at 1 is pyro-Glu; Xaa
at 10 is Gly-NH2"
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-109-331-4

Query Match 65.8%; Score 48; DB 13; Length 10;
Best Local Similarity 75.0%; Pred. No. 4.2;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 HWSHGWP 9
DB 2 HWSYGWLP 9

RESULT 34
US-10-170-096A-28
Sequence 28, Application US/10170096A
Publication No. US20030236184A1
GENERAL INFORMATION:
APPLICANT: University Of New Hampshire
APPLICANT: Sower, Stacia A
TITLE OF INVENTION: NO. US20030236184A1 Polynucleotides Encoding Lamprey GnRH-III
FILE REFERENCE: 9815/59339
CURRENT APPLICATION NUMBER: US/10/170,096A
CURRENT FILING DATE: 2002-08-08
NUMBER OF SEQ ID NOS: 37
SOFTWARE: Patentin version 3.1
SEQ ID NO 28
LENGTH: 10
TYPE: PRT
ORGANISM: salmon
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (1)...(1)
OTHER INFORMATION: X at position 1 = pGlu
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (10)...(10)
OTHER INFORMATION: X at position 10 = Gly-NH2
US-10-170-096A-28

STREET: P. O. Box 2471
CITY: Baton Rouge
STATE: LA
COUNTRY: USA
ZIP: 70821-2471
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25;
WordPerfect 5.1; No. US20020165159A1eapad Version 4.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/109,331
FILING DATE: 28-Mar-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/297,989
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Runnels, John H.
REGISTRATION NUMBER: 33451
REFERENCE/DOCKET NUMBER: 9703P-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (225) 387-3221
TELEFAX: (225) 346-8049
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
OTHER INFORMATION: /note= "Xaa at 1 is pyro-Glu; Xaa
at 10 is Gly-NH2"
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-109-331-4

Query Match 65.8%; Score 48; DB 13; Length 10;
Best Local Similarity 75.0%; Pred. No. 4.2;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 HWSHGWP 9
DB 2 HWSYGWLP 9

RESULT 34
US-10-170-096A-28
Sequence 28, Application US/10170096A
Publication No. US20030236184A1
GENERAL INFORMATION:
APPLICANT: University Of New Hampshire
APPLICANT: Sower, Stacia A
TITLE OF INVENTION: NO. US20030236184A1 Polynucleotides Encoding Lamprey GnRH-III
FILE REFERENCE: 9815/59339
CURRENT APPLICATION NUMBER: US/10/170,096A
CURRENT FILING DATE: 2002-08-08
NUMBER OF SEQ ID NOS: 37
SOFTWARE: Patentin version 3.1
SEQ ID NO 28
LENGTH: 10
TYPE: PRT
ORGANISM: salmon
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (1)...(1)
OTHER INFORMATION: X at position 1 = pGlu
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (10)...(10)
OTHER INFORMATION: X at position 10 = Gly-NH2
US-10-170-096A-28

STREET: P. O. Box 2471
CITY: Baton Rouge
STATE: LA
COUNTRY: USA
ZIP: 70821-2471
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25;
WordPerfect 5.1; No. US20020165159A1eapad Version 4.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/109,331
FILING DATE: 28-Mar-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/297,989
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Runnels, John H.
REGISTRATION NUMBER: 33451
REFERENCE/DOCKET NUMBER: 9703P-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (225) 387-3221
TELEFAX: (225) 346-8049
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
OTHER INFORMATION: /note= "Xaa at 1 is pyro-Glu; Xaa
at 10 is Gly-NH2"
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-109-331-4

Query Match 65.8%; Score 48; DB 13; Length 10;
Best Local Similarity 75.0%; Pred. No. 4.2;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 HWSHGWP 9
DB 2 HWSYGWLP 9

RESULT 34
US-10-170-096A-28
Sequence 28, Application US/10170096A
Publication No. US20030236184A1
GENERAL INFORMATION:
APPLICANT: University Of New Hampshire
APPLICANT: Sower, Stacia A
TITLE OF INVENTION: NO. US20030236184A1 Polynucleotides Encoding Lamprey GnRH-III
FILE REFERENCE: 9815/59339
CURRENT APPLICATION NUMBER: US/10/170,096A
CURRENT FILING DATE: 2002-08-08
NUMBER OF SEQ ID NOS: 37
SOFTWARE: Patentin version 3.1
SEQ ID NO 28
LENGTH: 10
TYPE: PRT
ORGANISM: salmon
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (1)...(1)
OTHER INFORMATION: X at position 1 = pGlu
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (10)...(10)
OTHER INFORMATION: X at position 10 = Gly-NH2
US-10-170-096A-28

Query Match 65.8%; Score 48; DB 15; Length 10;
Best Local Similarity 75.0%; Pred. No. 4.2;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 HWSHGWP 9
DB 2 HWSYGWLP 9

RESULT 35
US-10-360-101-156
Sequence 156, Application US/10360101
Publication No. US20040009550A1
GENERAL INFORMATION:
APPLICANT: Moll, Gert N.
APPLICANT: Leenhouts, Cornelis J.
TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
FILE REFERENCE: 2183-5673
CURRENT APPLICATION NUMBER: US/10/360,101
CURRENT FILING DATE: 2003-02-07
PRIOR APPLICATION NUMBER: EP 02077060.8
PRIOR FILING DATE: 2002-05-24
NUMBER OF SEQ ID NOS: 309
SOFTWARE: Patentin version 3.1
SEQ ID NO 156
LENGTH: 10
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: (Q1,A4,S5,C9)-sequence of LHRH2
US-10-360-101-156

Query Match 65.8%; Score 48; DB 15; Length 10;
Best Local Similarity 60.0%; Pred. No. 4.2;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 BHWSHGWYGP 10
DB 1 QHWASGWYCG 10

RESULT 36
US-10-109-331-7
Sequence 7, Application US/10109331
Publication No. US20020165159A1
GENERAL INFORMATION:
APPLICANT: McCann, Samuel M.
YU, Wen H.
TITLE OF INVENTION: FSH-Releasing Peptides
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: John H. Runnels
STREET: P. O. Box 2471
CITY: Baton Rouge
STATE: LA
COUNTRY: USA
ZIP: 70821-2471
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25;
WordPerfect 5.1; No. US20020165159A1eapad Version 4.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/109,331
FILING DATE: 28-Mar-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/297,989
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Runnels, John H.

```
;
; REGISTRATION NUMBER: 33451
; REFERENCE/DOCKET NUMBER: 9703P-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (225) 387-3221
; TELEFAX: (225) 346-8049
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; OTHER INFORMATION: /note= "Xaa at 1 is pyro-Glu; Xaa
; at 10 is Gly-NH2"
; SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-10-109-331-7

Query Match 64.4%; Score 47; DB 13; Length 10;
Best Local Similarity 75.0%; Pred. No. 5.7;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 HWSHGWP 9
DB 2 HWSHAWK 9

RESULT 37
US-10-360-101-147
; Sequence 147, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 147
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: (Q1,S2,A4,C5)-sequence of LHRH2
US-10-360-101-147

Query Match 64.4%; Score 47; DB 15; Length 10;
Best Local Similarity 60.0%; Pred. No. 5.7;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 BWSHGWP 10
DB 1 QSWACGWP 10

RESULT 38
US-10-360-101-160
; Sequence 160, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
```

```
; SEQ ID NO 160
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: (Q1,A4,S7,C10)-sequence of LHRH2
US-10-360-101-160

Query Match 64.4%; Score 47; DB 15; Length 10;
Best Local Similarity 66.7%; Pred. No. 5.7;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 EWSHGWP 9
DB 1 QHWAGSYP 9

RESULT 39
US-10-109-331-1
; Sequence 1, Application US/10109331
; Publication No. US20020165159A1
; GENERAL INFORMATION:
; APPLICANT: McCann, Samuel M.
; TITLE OF INVENTION: FSH-Releasing Peptides
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: John H. Runnels
; STREET: P. O. Box 2471
; CITY: Baton Rouge
; STATE: LA
; COUNTRY: USA
; ZIP: 70821-2471
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25;
; CURRENT APPLICATION DATA: WordPerfect 5.1; No. US20020165159A1eapad Version 4.0
; APPLICATION NUMBER: US/10/109,331
; FILING DATE: 28-Mar-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/297,989
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Runnels, John H.
; REGISTRATION NUMBER: 33451
; REFERENCE/DOCKET NUMBER: 9703P-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (225) 387-3221
; TELEFAX: (225) 346-8049
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; OTHER INFORMATION: /note= "Xaa at 1 is pyro-Glu; Xaa
; at 10 is Gly-NH2"
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-109-331-1

Query Match 63.0%; Score 46; DB 13; Length 10;
Best Local Similarity 75.0%; Pred. No. 7.7;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 HWSHGWP 9
DB 2 HWSHDWKP 9
```


RESULT 40

US-10-109-331-9
; Sequence 9, Application US/10109331
; Publication No. US20020165159A1
; GENERAL INFORMATION:
; APPLICANT: McCann, Samuel M.
; Yu, Wen H.

TITLE OF INVENTION: FSH-Releasing Peptides
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: John H. Runnels
STREET: P. O. Box 2471
CITY: Baton Rouge
STATE: LA
COUNTRY: USA

ZIP: 70821-2471
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25;
WordPerfect 5.1; No. US20020165159A1eapad Version 4.0

CURRENT APPLICATION DATA: US/10/109,331
APPLICATION NUMBER: 33451
FILING DATE: 28-Mar-2002
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA: US/09/297,989
APPLICATION NUMBER: 33451
FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:
NAME: Runnels, John H.

REGISTRATION NUMBER: 33451
REFERENCE/DOCKET NUMBER: 9703P-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (225) 387-3221
TELEFAX: (225) 346-8049

INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:

OTHER INFORMATION: /note= "Xaa at 1 is pyro-Glu;
Xaa at 6 is (D-Ala); Xaa at 10 is Gly-NH2"
SEQUENCE DESCRIPTION: SEQ ID NO: 9:

US-10-109-331-9

Query Match 63.0%; Score 46; DB 13; Length 10;
Best Local Similarity 75.0%; Pred. No. 7.7;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY

2 HWSHGWYP 9

|||||

Db 2 HWSHXWKP 9

RESULT 41

US-10-109-331-13
; Sequence 13, Application US/10109331
; Publication No. US20020165159A1
; GENERAL INFORMATION:
; APPLICANT: McCann, Samuel M.
; Yu, Wen H.

TITLE OF INVENTION: FSH-Releasing Peptides
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: John H. Runnels
STREET: P. O. Box 2471
CITY: Baton Rouge
STATE: LA
COUNTRY: USA

ZIP: 70821-2471
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25;
WordPerfect 5.1; No. US20020165159A1eapad Version 4.0

CURRENT APPLICATION DATA: US/10/109,331
APPLICATION NUMBER: 33451
FILING DATE: 28-Mar-2002
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA: US/09/297,989
APPLICATION NUMBER: 33451
FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:
NAME: Runnels, John H.

REGISTRATION NUMBER: 33451
REFERENCE/DOCKET NUMBER: 9703P-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (225) 387-3221
TELEFAX: (225) 346-8049

INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:

OTHER INFORMATION: /note= "Xaa at 1 is pyro-Glu;
Xaa at 6 is (D-Leu); Xaa at 10 is Gly-NH2"
SEQUENCE DESCRIPTION: SEQ ID NO: 13:

US-10-109-331-13

Query Match 63.0%; Score 46; DB 13; Length 10;
Best Local Similarity 75.0%; Pred. No. 7.7;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 HWSHGWYP 9

|||||

Db 2 HWSHXWKP 9

RESULT 42

US-10-109-331-15
; Sequence 15, Application US/10109331
; Publication No. US20020165159A1
; GENERAL INFORMATION:
; APPLICANT: McCann, Samuel M.
; Yu, Wen H.

TITLE OF INVENTION: FSH-Releasing Peptides
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: John H. Runnels
STREET: P. O. Box 2471
CITY: Baton Rouge
STATE: LA
COUNTRY: USA

ZIP: 70821-2471

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25;
WordPerfect 5.1; No. US20020165159A1eapad Version 4.0

CURRENT APPLICATION DATA: US/10/109,331
APPLICATION NUMBER: 33451
FILING DATE: 28-Mar-2002
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA: US/09/297,989
APPLICATION NUMBER: 33451
FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:
NAME: Runnels, John H.

```

Query Match      63.0%; Score 46; DB 13; Length 10;
Best Local Similarity 75.0%; Pred. No. 7.7;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      2 HWSHGWP 9
      |||||
Db      2 HWSXWKP 9

RESULT 44
US-10-109-331-21
; Sequence 21, Application US/10109331
; Publication No. US20020165159A1
; GENERAL INFORMATION:
; APPLICANT: McCann, Samuel M.
; Yu, Wen H.
; TITLE OF INVENTION: FSH-Releasing Peptides
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: John H. Runnels
; STREET: P. O. Box 2471
; CITY: Baton Rouge
; STATE: LA
; COUNTRY: USA
; ZIP: 70821-2471
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25;
; WordPerfect 5.1; No. US20020165159A1epad Version 4.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/109,331
; FILING DATE: 28-Mar-2002
; CLASSIFICATION: <Unknown>
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US/09/297,989
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Runnels, John H.
; REGISTRATION NUMBER: 33451
; REFERENCE/DOCKET NUMBER: 5703P-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (225) 387-3221
; TELEFAX: (225) 346-8049
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; TYPE: amino acids
; LENGTH: 10 amino acids
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; OTHER INFORMATION: /note="Xaa at 1 is pyro-Glu;
; Xaa at 6 is (D-Trp); Xaa at 10 is Gly-NH2"
; SEQUENCE DESCRIPTION: SEQ ID NO: 21:
US-10-109-331-21

Query Match      63.0%; Score 46; DB 13; Length 10;
Best Local Similarity 75.0%; Pred. No. 7.7;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      2 HWSHGWP 9
      |||||
Db      2 HWSXWKP 9

RESULT 45
US-10-109-331-23
; Sequence 23, Application US/10109331
; Publication No. US20020165159A1
; GENERAL INFORMATION:
; APPLICANT: McCann, Samuel M.

```

Yu, Wen H.
TITLE OF INVENTION: FSH-Releasing Peptides
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: John H. Runnels
STREET: P. O. Box 2471
CITY: Baton Rouge
STATE: LA
COUNTRY: USA
ZIP: 70821-2471
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WordPerfect 5.1; No. US20020165159AlepAd Version 4.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/109,331
FILING DATE: 28-Mar-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION NUMBER: US/09/297,989
FILING DATE: 28-Mar-2002
CLASSIFICATION: <Unknown>
APPLICATION DATA:
NAME: Runnels, John H.
REFERENCE/DOCKET NUMBER: 9703P-US
TELEPHONE: (225) 387-3221
TELEFAX: (225) 346-8049
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
OTHER INFORMATION: /note= "Xaa at 1 is pyro-Glu;
Xaa at 6 is (His-Bzl); Xaa at 10 is Gly-NH2"
SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-10-109-331-23
Query Match 63.0%; Score 46; DB 13; Length 10;
Best Local Similarity 75.0%; Pred. No. 7.7;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 2 HWSHGWP 9
Db 2 HWSHXWP 9
RESULT 46
US-10-109-331-25
; Sequence 25, Application US/10109331
; Publication No. US20020165159A1
; GENERAL INFORMATION:
; APPLICANT: McCann, Samuel M.
; Yu, Wen H.
; TITLE OF INVENTION: FSH-Releasing Peptides
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: John H. Runnels
; STREET: P. O. Box 2471
; CITY: Baton Rouge
; STATE: LA
; COUNTRY: USA
; ZIP: 70821-2471
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 5.1; No. US20020165159AlepAd Version 4.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/109,331
; FILING DATE: 28-Mar-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION NUMBER: US/09/297,989
; FILING DATE: 28-Mar-2002
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Runnels, John H.
; REFERENCE/DOCKET NUMBER: 9703P-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (225) 387-3221
; TELEFAX: (225) 346-8049
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; OTHER INFORMATION: /note= "Xaa at 1 is pyro-Glu;
; Xaa at 6 is (His-Bzl); Xaa at 10 is Gly-NH2"
; SEQUENCE DESCRIPTION: SEQ ID NO: 27:
; US-10-109-331-25

Yu, Wen H.
TITLE OF INVENTION: FSH-Releasing Peptides
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: John H. Runnels
STREET: P. O. Box 2471
CITY: Baton Rouge
STATE: LA
COUNTRY: USA
ZIP: 70821-2471
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WordPerfect 5.1; No. US20020165159AlepAd Version 4.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/109,331
FILING DATE: 28-Mar-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION NUMBER: US/09/297,989
FILING DATE: 28-Mar-2002
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Runnels, John H.
REFERENCE/DOCKET NUMBER: 9703P-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (225) 387-3221
TELEFAX: (225) 346-8049
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
OTHER INFORMATION: /note= "Xaa at 1 is pyro-Glu;
Xaa at 6 is (His-Bzl); Xaa at 10 is Gly-NH2"
SEQUENCE DESCRIPTION: SEQ ID NO: 25:
US-10-109-331-25
Query Match 63.0%; Score 46; DB 13; Length 10;
Best Local Similarity 75.0%; Pred. No. 7.7;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 2 HWSHGWP 9
Db 2 HWSHXWP 9
RESULT 47
US-10-109-331-27
; Sequence 27, Application US/10109331
; Publication No. US20020165159A1
; GENERAL INFORMATION:
; APPLICANT: McCann, Samuel M.
; Yu, Wen H.
; TITLE OF INVENTION: FSH-Releasing Peptides
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: John H. Runnels
; STREET: P. O. Box 2471
; CITY: Baton Rouge
; STATE: LA
; COUNTRY: USA
; ZIP: 70821-2471
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 5.1; No. US20020165159AlepAd Version 4.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/109,331
; FILING DATE: 28-Mar-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION NUMBER: US/09/297,989
; FILING DATE: 28-Mar-2002
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Runnels, John H.
; REFERENCE/DOCKET NUMBER: 9703P-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (225) 387-3221
; TELEFAX: (225) 346-8049
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; OTHER INFORMATION: /note= "Xaa at 1 is pyro-Glu;
; Xaa at 6 is (His-Bzl); Xaa at 10 is Gly-NH2"
; SEQUENCE DESCRIPTION: SEQ ID NO: 25:
US-10-109-331-25

LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
OTHER INFORMATION: /note= "Xaa at 1 is pyro-Glu;
Xaa at 6 is Nal(2); Xaa at 10 is Gly-NH2"
SEQUENCE DESCRIPTION: SEQ ID NO: 27;
US-10-109-331-27

Query Match 63.0%; Score 46; DB 13; Length 10;
Best Local Similarity 75.0%; Pred. No. 7.7;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 HWSHGWP 9
Db 2 HWSHXKP 9

RESULT 48

US-10-109-331-29
Sequence 29, Application US/10109331
Publication No. US20020165159A1
GENERAL INFORMATION:
APPLICANT: McCann, Samuel M.

TITLE OF INVENTION: FSH-Releasing Peptides
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: John H. Runnels
STREET: P. O. Box 2471
CITY: Baton Rouge
STATE: LA
COUNTRY: USA
ZIP: 70821-2471

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25;
WordPerfect 5.1; No. US20020165159A1epad Version 4.0

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/109,331
FILING DATE: 28-Mar-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/297,989
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Runnels, John H.

REGISTRATION NUMBER: 33451
REFERENCE/DOCKET NUMBER: 9703P-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (225) 387-3221
TELEFAX: (225) 346-8049

INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids

TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:

OTHER INFORMATION: /note= "Xaa at 1 is pyro-Glu;
Xaa at 6 is (D-Nal(2)); Xaa at 10 is Gly-NH2"
SEQUENCE DESCRIPTION: SEQ ID NO: 29;

US-10-109-331-29

Query Match 63.0%; Score 46; DB 13; Length 10;
Best Local Similarity 75.0%; Pred. No. 7.7;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 HWSHGWP 9
Db 2 HWSHXKP 9

Db 2 HWSHXKP 9

RESULT 49

US-10-109-331-31
Sequence 31, Application US/10109331
Publication No. US20020165159A1
GENERAL INFORMATION:
APPLICANT: McCann, Samuel M.

TITLE OF INVENTION: FSH-Releasing Peptides
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: John H. Runnels
STREET: P. O. Box 2471
CITY: Baton Rouge
STATE: LA
COUNTRY: USA
ZIP: 70821-2471

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25;
WordPerfect 5.1; No. US20020165159A1epad Version 4.0

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/109,331
FILING DATE: 28-Mar-2002
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/297,989
FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:
NAME: Runnels, John H.
REGISTRATION NUMBER: 33451
REFERENCE/DOCKET NUMBER: 9703P-US

TELECOMMUNICATION INFORMATION:
TELEPHONE: (225) 387-3221
TELEFAX: (225) 346-8049

INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids

TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:

OTHER INFORMATION: /note= "Xaa at 1 is pyro-Glu;
Xaa at 6 is Nal(2); Xaa at 10 is (aza-Gly)"
SEQUENCE DESCRIPTION: SEQ ID NO: 31;
US-10-109-331-31

Query Match 63.0%; Score 46; DB 13; Length 10;
Best Local Similarity 75.0%; Pred. No. 7.7;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 HWSHGWP 9
Db 2 HWSHXKP 9

RESULT 50

US-10-109-331-32
Sequence 32, Application US/10109331
Publication No. US20020165159A1
GENERAL INFORMATION:
APPLICANT: McCann, Samuel M.

TITLE OF INVENTION: FSH-Releasing Peptides
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: John H. Runnels
STREET: P. O. Box 2471
CITY: Baton Rouge

```

STATE: LA
COUNTRY: USA
ZIP: 70821-2471
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WordPerfect 5.1; NO. US20020165159alepad Version 4.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/109,331
FILING DATE: 28-Mar-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/297,989
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Rannels, John H.
REGISTRATION NUMBER: 33451
REFERENCE/DOCKET NUMBER: 9703P-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (225) 387-3221
TELEFAX: (225) 346-8049
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
OTHER INFORMATION: /note= "Xaa at 1 is pyro-Glu;
Xaa at 6 is (D-Nal(2)); Xaa at 10 is (aza-Gly)"
SEQUENCE DESCRIPTION: SEQ ID NO: 32:
US-10-109-331-32

```

```

Query Match      63.0%; Score 46; DB 13; Length 10;
Best Local Similarity 75.0%; Pred. NO. 7.7;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

```

QY      2 HWSHGWP 9
Db      2 HWSXWKP 9

```

```

Search completed: March 17, 2004, 22:00:57
Job time : 38 secs

```

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: March 17, 2004, 21:40:53 ; Search time 35 Seconds
(without alignments)
73.553 Million cell updates/sec

Title: US-09-857-115-7
Perfect score: 50
Sequence: 1 EHWXGXKPG 10

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1045404 seqs, 257433775 residues

Total number of hits satisfying chosen parameters: 1045404

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database : Published Applications AA.*

- 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/1/pubpaa/US05_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	44	88.0	10	10	US-09-964-201A-28
2	44	88.0	10	13	US-10-184-126-1
3	44	88.0	10	14	US-10-115-553-1
4	44	88.0	10	14	US-10-122-483-1
5	44	88.0	10	14	US-10-117-384-1
6	44	88.0	10	14	US-10-311-688-4
7	44	88.0	10	15	US-10-353-160A-1
8	44	88.0	10	16	US-10-298-378-1
9	44	88.0	10	16	US-10-298-851-1
10	44	88.0	17	10	US-09-305-924-3
11	44	88.0	20	10	US-09-964-201A-29
12	44	88.0	20	10	US-09-964-201A-30
13	44	88.0	20	10	US-09-964-201A-31
14	44	88.0	27	14	US-10-076-674-7
15	44	88.0	27	15	US-10-355-161A-7

16	44	88.0	45	14	US-10-076-674-8	Sequence 8, Appli
17	44	88.0	45	14	US-10-076-674-9	Sequence 9, Appli
18	44	88.0	45	15	US-10-355-161A-8	Sequence 8, Appli
19	44	88.0	45	15	US-10-355-161A-9	Sequence 9, Appli
20	41	82.0	10	9	US-09-019-010-2	Sequence 2, Appli
21	41	82.0	10	10	US-09-964-201A-32	Sequence 32, Appli
22	41	82.0	10	10	US-09-305-924-9	Sequence 9, Appli
23	41	82.0	10	14	US-10-351-641-1143	Sequence 1143, Ap
24	41	82.0	10	14	US-10-351-641-1309	Sequence 1309, Ap
25	41	82.0	10	14	US-10-351-641-1344	Sequence 1344, Ap
26	41	82.0	10	15	US-10-360-101-1	Sequence 1, Appli
27	41	82.0	10	15	US-10-360-101-299	Sequence 299, App
28	41	82.0	10	15	US-10-617-561-9	Sequence 9, Appli
29	41	82.0	11	13	US-10-044-034-17	Sequence 17, Appli
30	41	82.0	18	14	US-10-351-641-1146	Sequence 1146, Ap
31	41	82.0	18	14	US-10-351-641-1147	Sequence 1147, Ap
32	41	82.0	18	14	US-10-351-641-1148	Sequence 1148, Ap
33	41	82.0	18	14	US-10-351-641-1172	Sequence 1172, Ap
34	41	82.0	18	14	US-10-351-641-1173	Sequence 1173, Ap
35	41	82.0	20	10	US-09-964-201A-26	Sequence 26, Appli
36	41	82.0	22	14	US-10-351-641-1145	Sequence 1145, Ap
37	41	82.0	26	14	US-10-351-641-1144	Sequence 1144, Ap
38	41	82.0	33	15	US-10-617-561-3	Sequence 3, Appli
39	41	82.0	33	15	US-10-617-561-4	Sequence 4, Appli
40	41	82.0	40	10	US-09-964-201A-35	Sequence 35, Appli
41	41	82.0	41	10	US-09-964-201A-34	Sequence 34, Appli
42	41	82.0	49	9	US-09-019-010-4	Sequence 4, Appli
43	41	82.0	49	10	US-09-305-924-11	Sequence 11, Appli
44	41	82.0	69	10	US-09-305-924-13	Sequence 13, Appli
45	40	80.0	10	15	US-10-354-433-2	Sequence 2, Appli
46	40	80.0	10	15	US-10-360-101-2	Sequence 2, Appli
47	40	80.0	10	15	US-10-360-101-126	Sequence 126, App
48	40	80.0	10	15	US-10-360-101-136	Sequence 136, App
49	40	80.0	10	15	US-10-360-101-303	Sequence 303, App
50	40	80.0	10	15	US-10-360-101-304	Sequence 304, App
51	40	80.0	10	15	US-10-360-101-309	Sequence 309, App
52	39	78.0	10	9	US-09-810-601-1	Sequence 1, Appli
53	39	78.0	10	10	US-09-305-924-1	Sequence 1, Appli
54	39	78.0	10	15	US-10-360-101-153	Sequence 153, App
55	39	78.0	10	15	US-10-360-101-298	Sequence 298, App
56	39	78.0	10	15	US-10-360-101-301	Sequence 301, App
57	39	78.0	10	15	US-10-360-101-306	Sequence 306, App
58	39	78.0	10	15	US-10-617-561-1	Sequence 1, Appli
59	39	78.0	10	15	US-10-617-561-17	Sequence 17, Appli
60	39	78.0	16	10	US-09-305-924-5	Sequence 5, Appli
61	39	78.0	17	10	US-09-305-924-4	Sequence 4, Appli
62	39	78.0	31	9	US-09-848-834A-15	Sequence 15, Appli
63	39	78.0	34	9	US-09-848-834A-13	Sequence 13, Appli
64	39	78.0	36	9	US-09-848-834A-14	Sequence 14, Appli
65	39	78.0	37	9	US-09-848-834A-16	Sequence 16, Appli
66	39	78.0	46	9	US-09-848-834A-19	Sequence 19, Appli
67	39	78.0	47	9	US-09-848-834A-17	Sequence 17, Appli
68	39	78.0	50	9	US-09-848-834A-18	Sequence 18, Appli
69	39	78.0	51	9	US-09-848-834A-20	Sequence 20, Appli
70	38	76.0	10	15	US-10-360-101-138	Sequence 138, App
71	38	76.0	10	15	US-10-360-101-302	Sequence 302, App
72	38	76.0	10	15	US-10-617-561-18	Sequence 18, Appli
73	38	76.0	10	16	US-10-298-378-4	Sequence 4, Appli
74	38	76.0	10	16	US-10-298-851-4	Sequence 4, Appli
75	37	74.0	10	16	US-10-360-101-155	Sequence 155, App
76	37	74.0	10	16	US-10-298-378-2	Sequence 2, Appli
77	37	74.0	10	16	US-10-298-851-2	Sequence 2, Appli
78	36	72.0	10	9	US-09-941-094A-2	Sequence 2, Appli
79	36	72.0	10	9	US-09-941-094A-4	Sequence 4, Appli
80	36	72.0	10	14	US-10-311-688-3	Sequence 3, Appli
81	36	72.0	68	9	US-09-864-761-38872	Sequence 38872, A
82	36	72.0	383	9	US-09-147-346-2	Sequence 2, Appli
83	35	70.0	10	15	US-10-360-101-128	Sequence 128, App
84	35	70.0	82	9	US-09-764-847-520	Sequence 520, App
85	35	70.0	82	14	US-10-092-154-520	Sequence 520, App
86	35	70.0	108	12	US-10-424-593-257021	Sequence 257021, A
87	35	70.0	276	12	US-10-425-114-56780	Sequence 56780, A
88	35	70.0	1072	15	US-10-369-493-17445	Sequence 17445, A

89	34	68.0	10	15	US-10-170-096A-27	Sequence 27, Appl	162	32	64.0	99	12	US-10-424-599-246675	Sequence 246675,
90	34	68.0	10	15	US-10-170-096A-29	Sequence 29, Appl	163	32	64.0	155	12	US-10-424-599-232137	Sequence 232137,
91	34	68.0	10	15	US-10-170-096A-31	Sequence 31, Appl	164	32	64.0	204	12	US-10-424-599-180844	Sequence 180844,
92	34	68.0	10	15	US-10-354-433-1	Sequence 1, Appl	165	32	64.0	282	12	US-10-282-122A-51208	Sequence 51208, A
93	34	68.0	10	15	US-10-360-101-127	Sequence 127, Appl	166	32	64.0	417	15	US-10-369-493-4987	Sequence 4987, Ap
94	34	68.0	10	15	US-10-360-101-145	Sequence 145, Appl	167	32	64.0	421	14	US-10-021-723A-6	Sequence 6, Appl
95	34	68.0	65	12	US-10-424-599-164292	Sequence 164292,	168	32	64.0	434	9	US-09-815-242-10441	Sequence 10441, A
96	34	68.0	68	12	US-10-424-599-229288	Sequence 229288,	169	32	64.0	434	12	US-10-282-122A-56779	Sequence 56779, A
97	34	68.0	118	15	US-10-264-237-1426	Sequence 1426, Ap	170	32	64.0	434	14	US-10-114-048-2	Sequence 2, Appl
98	34	68.0	288	12	US-10-425-114-68705	Sequence 68705, A	171	32	64.0	434	14	US-10-071-894-6	Sequence 6, Appl
99	34	68.0	301	14	US-10-321-204-51	Sequence 51, Appl	172	32	64.0	834	14	US-10-112-674-5	Sequence 5, Appl
100	34	68.0	335	12	US-10-424-599-264598	Sequence 264598,	173	32	64.0	1055	14	US-10-039-761-2	Sequence 2, Appl
101	34	68.0	508	15	US-10-108-260A-2504	Sequence 2504, Ap	174	32	64.0	1075	14	US-10-112-674-2	Sequence 4, Appl
102	34	68.0	2502	9	US-09-772-316-1	Sequence 1, Appl	175	32	64.0	1075	14	US-10-039-761-4	Sequence 4, Appl
103	34	68.0	2502	15	US-10-600-058-1	Sequence 1, Appl	176	32	64.0	1075	14	US-10-112-674-4	Sequence 4, Appl
104	34	68.0	8360	14	US-10-132-134-34	Sequence 34, Appl	177	32	64.0	2339	15	US-10-116-275-244	Sequence 244, App
105	33	66.0	10	9	US-09-848-834A-1	Sequence 1, Appl	178	32	64.0	2438	12	US-10-092-900A-218	Sequence 218, App
106	33	66.0	10	9	US-09-810-601-2	Sequence 2, Appl	179	31	62.0	10	13	US-10-054-552-1	Sequence 1, Appl
107	33	66.0	10	9	US-09-810-601-3	Sequence 3, Appl	180	31	62.0	10	13	US-10-278-364A-9	Sequence 9, Appl
108	33	66.0	10	9	US-09-810-601-4	Sequence 4, Appl	181	31	62.0	10	15	US-10-181-638A-11	Sequence 11, Appl
109	33	66.0	10	13	US-10-109-331-2	Sequence 2, Appl	182	31	62.0	10	15	US-10-360-101-137	Sequence 137, App
110	33	66.0	10	15	US-10-170-096A-23	Sequence 23, Appl	183	31	62.0	10	15	US-10-360-101-308	Sequence 308, App
111	33	66.0	10	15	US-10-170-096A-25	Sequence 25, Appl	184	31	62.0	10	15	US-10-617-561-16	Sequence 16, Appl
112	33	66.0	10	15	US-10-170-096A-30	Sequence 30, Appl	185	31	62.0	33	15	US-10-617-561-15	Sequence 15, Appl
113	33	66.0	10	15	US-10-360-101-140	Sequence 140, App	186	31	62.0	38	9	US-09-864-761-36040	Sequence 36040, A
114	33	66.0	10	15	US-10-360-101-143	Sequence 143, App	187	31	62.0	59	9	US-09-879-957-1136	Sequence 126, App
115	33	66.0	10	15	US-10-360-101-144	Sequence 144, App	188	31	62.0	74	12	US-10-424-599-184476	Sequence 184476,
116	33	66.0	10	15	US-10-360-101-160	Sequence 160, App	189	31	62.0	79	9	US-09-796-692-1517	Sequence 1517, Ap
117	33	66.0	28	9	US-09-848-834A-11	Sequence 11, Appl	190	31	62.0	79	9	US-09-796-692-1609	Sequence 1609, Ap
118	33	66.0	31	9	US-09-848-834A-9	Sequence 9, Appl	191	31	62.0	79	9	US-09-796-692-1747	Sequence 1747, Ap
119	33	66.0	31	9	US-09-848-834A-12	Sequence 12, Appl	192	31	62.0	79	9	US-09-796-692-1760	Sequence 1760, Ap
120	33	66.0	31	9	US-09-848-834A-10	Sequence 10, Appl	193	31	62.0	79	9	US-09-796-692-1944	Sequence 1944, Ap
121	33	66.0	92	15	US-10-170-096A-6	Sequence 6, Appl	194	31	62.0	79	9	US-09-796-692-1963	Sequence 1963, Ap
122	33	66.0	93	15	US-10-170-096A-8	Sequence 8, Appl	195	31	62.0	79	9	US-09-796-692-2029	Sequence 2029, Ap
123	33	66.0	94	15	US-10-170-096A-2	Sequence 2, Appl	196	31	62.0	79	9	US-09-796-692-2042	Sequence 2042, Ap
124	33	66.0	106	12	US-10-424-599-270802	Sequence 270802,	197	31	62.0	79	14	US-10-040-862-1517	Sequence 1517, Ap
125	33	66.0	120	12	US-10-424-599-241747	Sequence 241747,	198	31	62.0	79	14	US-10-040-862-1609	Sequence 1609, Ap
126	33	66.0	151	14	US-10-029-386-31420	Sequence 31420, A	199	31	62.0	79	14	US-10-040-862-1747	Sequence 1747, Ap
127	33	66.0	331	14	US-10-126-279-6	Sequence 6, Appl	200	31	62.0	79	14	US-10-040-862-1760	Sequence 1760, Ap
128	33	66.0	388	14	US-10-126-279-6	Sequence 6, Appl	201	31	62.0	79	14	US-10-040-862-1944	Sequence 1944, Ap
129	33	66.0	388	14	US-10-286-606-6	Sequence 6, Appl	202	31	62.0	79	14	US-10-040-862-1963	Sequence 1963, Ap
130	33	66.0	413	14	US-10-156-761-12893	Sequence 12893, A	203	31	62.0	79	14	US-10-040-862-2029	Sequence 2029, Ap
131	33	66.0	475	12	US-10-425-114-68724	Sequence 68724, A	204	31	62.0	79	14	US-10-040-862-2042	Sequence 2042, Ap
132	33	66.0	508	9	US-09-134-377-1	Sequence 1, Appl	205	31	62.0	79	15	US-10-057-475B-1517	Sequence 1517, Ap
133	33	66.0	508	9	US-09-822-662-1	Sequence 1, Appl	206	31	62.0	79	15	US-10-057-475B-1609	Sequence 1609, Ap
134	33	66.0	594	12	US-10-282-122A-50008	Sequence 50008, A	207	31	62.0	79	15	US-10-057-475B-1747	Sequence 1747, Ap
135	33	66.0	596	12	US-10-282-122A-49383	Sequence 49383, A	208	31	62.0	79	15	US-10-057-475B-1760	Sequence 1760, Ap
136	33	66.0	606	12	US-10-424-599-221204	Sequence 221204,	209	31	62.0	79	15	US-10-057-475B-1944	Sequence 1944, Ap
137	33	66.0	622	9	US-09-147-346-4	Sequence 4, Appl	210	31	62.0	79	15	US-10-057-475B-1963	Sequence 1963, Ap
138	33	66.0	676	12	US-10-425-114-38875	Sequence 38875, A	211	31	62.0	79	15	US-10-057-475B-2029	Sequence 2029, Ap
139	33	66.0	1105	11	US-09-895-606-2	Sequence 2, Appl	212	31	62.0	79	15	US-10-057-475B-2042	Sequence 2042, Ap
140	32	64.0	10	13	US-10-109-331-4	Sequence 4, Appl	213	31	62.0	79	15	US-10-154-884B-1517	Sequence 1517, Ap
141	32	64.0	10	13	US-10-109-331-5	Sequence 5, Appl	214	31	62.0	79	15	US-10-154-884B-1609	Sequence 1609, Ap
142	32	64.0	10	15	US-10-170-096A-26	Sequence 26, Appl	215	31	62.0	79	15	US-10-154-884B-1747	Sequence 1747, Ap
143	32	64.0	10	15	US-10-170-096A-28	Sequence 28, Appl	216	31	62.0	79	15	US-10-154-884B-1760	Sequence 1760, Ap
144	32	64.0	10	15	US-10-170-096A-32	Sequence 32, Appl	217	31	62.0	79	15	US-10-154-884B-1944	Sequence 1944, Ap
145	32	64.0	10	15	US-10-170-096A-33	Sequence 33, Appl	218	31	62.0	79	15	US-10-154-884B-1963	Sequence 1963, Ap
146	32	64.0	10	15	US-10-360-101-116	Sequence 116, App	219	31	62.0	79	15	US-10-154-884B-2029	Sequence 2029, Ap
147	32	64.0	10	15	US-10-360-101-157	Sequence 157, App	220	31	62.0	79	15	US-10-154-884B-2042	Sequence 2042, Ap
148	32	64.0	10	15	US-10-617-561-13	Sequence 13, Appl	221	31	62.0	92	12	US-10-424-599-175564	Sequence 175564,
149	32	64.0	10	15	US-10-617-561-14	Sequence 14, Appl	222	31	62.0	117	9	US-09-925-300-958	Sequence 958, App
150	32	64.0	14	9	US-09-305-924-2	Sequence 2, Appl	223	31	62.0	121	14	US-10-106-698-4777	Sequence 4777, Ap
151	32	64.0	16	9	US-09-758-128-53	Sequence 53, Appl	224	31	62.0	125	13	US-10-038-107A-4	Sequence 4, Appl
152	32	64.0	16	9	US-09-915-940-89	Sequence 89, Appl	225	31	62.0	152	15	US-10-371-069-20	Sequence 20, Appl
153	32	64.0	16	9	US-09-758-426-33	Sequence 33, Appl	226	31	62.0	152	15	US-10-371-645-20	Sequence 20, Appl
154	32	64.0	16	9	US-09-758-198-53	Sequence 53, Appl	227	31	62.0	152	15	US-10-371-260-20	Sequence 20, Appl
155	32	64.0	16	10	US-09-861-661-53	Sequence 53, Appl	228	31	62.0	156	15	US-10-108-260A-3817	Sequence 3817, Ap
156	32	64.0	16	14	US-10-096-550-89	Sequence 89, Appl	229	31	62.0	158	12	US-10-425-114-50703	Sequence 50703, A
157	32	64.0	51	15	US-10-375-913-14	Sequence 14, Appl	230	31	62.0	182	9	US-09-879-957-200	Sequence 200, App
158	32	64.0	68	12	US-10-424-599-276583	Sequence 276583,	231	31	62.0	182	12	US-10-425-114-37520	Sequence 37520, A
159	32	64.0	70	9	US-09-864-761-35060	Sequence 35060, A	232	31	62.0	201	15	US-10-108-260A-4794	Sequence 4794, Ap
160	32	64.0	76	12	US-10-424-599-176429	Sequence 176429,	233	31	62.0	204	12	US-10-425-114-54068	Sequence 54068, A
161	32	64.0	89	12	US-10-424-599-169538	Sequence 169538,	234	31	62.0	212	15	US-10-421-138A-122	Sequence 122, App

235	31	62.0	217	12	US-10-424-599-242341	Sequence 242341, App	308	30	60.0	218	12	US-10-282-122A-60775	Sequence 60775, A
236	31	62.0	228	11	US-09-939-537-27	Sequence 27, Appl	309	30	60.0	222	14	US-10-238-075-587	Sequence 587, App
237	31	62.0	228	11	US-09-243-008-27	Sequence 27, Appl	310	30	60.0	224	14	US-10-156-761-1958	Sequence 11958, A
238	31	62.0	228	11	US-10-039-130-4	Sequence 4, Appl	311	30	60.0	227	12	US-09-934-455-100	Sequence 100, App
239	31	62.0	229	13	US-10-038-107A-3	Sequence 3, Appl	312	30	60.0	227	12	US-10-412-699B-346	Sequence 346, App
240	31	62.0	229	15	US-10-371-069-34	Sequence 34, Appl	313	30	60.0	227	15	US-10-225-068-58	Sequence 58, Appl
241	31	62.0	229	15	US-10-371-645-34	Sequence 34, Appl	314	30	60.0	227	15	US-10-374-780A-104	Sequence 104, App
242	31	62.0	229	15	US-10-371-260-34	Sequence 34, Appl	315	30	60.0	227	12	US-10-210-172-196	Sequence 196, App
243	31	62.0	251	15	US-10-108-260A-4415	Sequence 4415, App	316	30	60.0	253	15	US-10-369-493-10635	Sequence 10635, A
244	31	62.0	251	14	US-10-203-708-45	Sequence 45, Appl	317	30	60.0	253	9	US-09-772-719-51	Sequence 51, Appl
245	31	62.0	257	9	US-09-925-299-891	Sequence 891, App	318	30	60.0	257	10	US-09-967-237-51	Sequence 51, Appl
246	31	62.0	257	10	US-09-925-299-891	Sequence 891, App	319	30	60.0	270	15	US-10-421-138A-118	Sequence 118, Appl
247	31	62.0	260	12	US-10-424-599-268344	Sequence 268344, App	320	30	60.0	283	14	US-10-156-761-8768	Sequence 8768, App
248	31	62.0	280	14	US-10-244-586-3	Sequence 3, Appl	321	30	60.0	283	12	US-10-424-599-198096	Sequence 198096, App
249	31	62.0	298	14	US-10-235-086-2	Sequence 2, Appl	322	30	60.0	294	14	US-10-182-951-2	Sequence 2, Appl
250	31	62.0	355	14	US-10-203-708-44	Sequence 44, Appl	323	30	60.0	296	10	US-09-782-974C-12	Sequence 12, Appl
251	31	62.0	374	12	US-10-424-599-211296	Sequence 211296, App	324	30	60.0	300	15	US-10-369-493-14179	Sequence 14179, A
252	31	62.0	434	12	US-10-282-122A-49633	Sequence 49633, A	325	30	60.0	305	12	US-10-424-599-198098	Sequence 198098, App
253	31	62.0	435	12	US-10-282-122A-50597	Sequence 50597, A	326	30	60.0	305	162	US-10-038-854-105	Sequence 105, App
254	31	62.0	468	9	US-09-764-868-665	Sequence 665, App	327	30	60.0	308	14	US-10-017-161-768	Sequence 768, App
255	31	62.0	496	15	US-10-369-493-20988	Sequence 20988, A	328	30	60.0	314	12	US-10-210-173-186	Sequence 186, App
256	31	62.0	601	9	US-09-815-242-5070	Sequence 5070, App	329	30	60.0	316	12	US-10-425-114-38915	Sequence 38915, A
257	31	62.0	601	12	US-10-282-122A-43557	Sequence 43557, A	330	30	60.0	320	12	US-10-210-172-190	Sequence 190, App
258	31	62.0	601	12	US-10-282-122A-67868	Sequence 67868, A	331	30	60.0	320	12	US-10-210-172-194	Sequence 194, App
259	31	62.0	601	12	US-10-282-122A-69603	Sequence 69603, A	332	30	60.0	340	9	US-09-815-342-11980	Sequence 11980, A
260	31	62.0	633	15	US-10-369-493-8543	Sequence 8543, App	333	30	60.0	340	10	US-09-769-734-58	Sequence 58, Appl
261	31	62.0	674	14	US-10-156-761-9618	Sequence 9618, App	334	30	60.0	341	153	US-10-334-143-74	Sequence 74, Appl
262	31	62.0	697	15	US-10-181-638A-2	Sequence 2, Appl	335	30	60.0	342	12	US-10-081-056-28	Sequence 28, Appl
263	31	62.0	742	14	US-10-203-860-4	Sequence 4, Appl	336	30	60.0	342	14	US-10-092-135-2	Sequence 2, Appl
264	31	62.0	788	9	US-09-879-957-30	Sequence 30, Appl	337	30	60.0	342	14	US-10-223-085-28	Sequence 28, Appl
265	31	62.0	975	14	US-10-271-697-5	Sequence 5, Appl	338	30	60.0	342	14	US-10-223-084-28	Sequence 28, Appl
266	31	62.0	1048	14	US-10-282-122A-64852	Sequence 64852, A	339	30	60.0	342	14	US-10-223-088-28	Sequence 28, Appl
267	31	62.0	1049	14	US-10-317-835-16	Sequence 16, Appl	340	30	60.0	342	14	US-10-223-090-28	Sequence 28, Appl
268	31	62.0	1060	14	US-09-954-342-46	Sequence 46, Appl	341	30	60.0	342	14	US-10-223-087-28	Sequence 28, Appl
269	31	62.0	1060	14	US-10-225-567A-408	Sequence 408, App	342	30	60.0	342	14	US-10-223-083-28	Sequence 28, Appl
270	31	62.0	1199	14	US-10-156-761-10084	Sequence 10084, A	343	30	60.0	342	14	US-10-223-089-28	Sequence 28, Appl
271	31	62.0	1331	16	US-10-311-623-7	Sequence 7, Appl	344	30	60.0	342	14	US-10-223-081-28	Sequence 28, Appl
272	31	62.0	1464	9	US-09-746-390-2	Sequence 2, Appl	345	30	60.0	342	14	US-10-223-082-28	Sequence 28, Appl
273	31	62.0	1464	15	US-10-607-095-21	Sequence 21, Appl	346	30	60.0	346	9	US-09-862-274-2	Sequence 2, Appl
274	31	62.0	1682	12	US-10-282-122A-64702	Sequence 64702, A	347	30	60.0	346	9	US-09-942-374-2	Sequence 2, Appl
275	31	62.0	1787	12	US-10-282-122A-62625	Sequence 62625, A	348	30	60.0	346	10	US-09-886-041-2	Sequence 2, Appl
276	31	62.0	19655	15	US-10-084-846A-3	Sequence 3, Appl	349	30	60.0	346	10	US-09-782-974C-90	Sequence 80, Appl
277	30.5	61.0	747	9	US-09-874-069-6	Sequence 6, Appl	350	30	60.0	346	12	US-10-210-172-178	Sequence 178, App
278	30.5	61.0	988	9	US-09-874-069-4	Sequence 4, Appl	351	30	60.0	346	12	US-10-210-172-180	Sequence 180, App
279	30.0	60.0	9	9	US-09-746-945-2	Sequence 2, Appl	352	30	60.0	346	12	US-10-210-172-182	Sequence 182, App
280	30	60.0	10	15	US-10-360-101-114	Sequence 114, App	353	30	60.0	346	12	US-10-210-172-184	Sequence 184, App
281	30	60.0	10	15	US-10-360-101-154	Sequence 154, App	354	30	60.0	346	12	US-10-210-172-188	Sequence 188, App
282	30	60.0	18	14	US-10-225-567A-2244	Sequence 2244, App	355	30	60.0	346	14	US-10-094-417-8	Sequence 2, Appl
283	30	60.0	44	9	US-09-864-761-42097	Sequence 42097, A	356	30	60.0	346	14	US-10-188-149A-2	Sequence 2, Appl
284	30	60.0	64	12	US-10-424-599-236882	Sequence 236882, App	357	30	60.0	346	14	US-10-079-384-18	Sequence 2, Appl
285	30	60.0	68	12	US-10-424-599-206738	Sequence 206738, App	358	30	60.0	346	14	US-10-240-842-2	Sequence 2, Appl
286	30	60.0	72	12	US-10-424-599-248385	Sequence 248385, App	359	30	60.0	346	14	US-10-225-567A-668	Sequence 668, App
287	30	60.0	76	12	US-10-424-599-196315	Sequence 196315, App	360	30	60.0	346	14	US-10-201-481-7	Sequence 7, Appl
288	30	60.0	77	12	US-10-424-599-216892	Sequence 216892, App	361	30	60.0	346	14	US-10-278-141-3	Sequence 3, Appl
289	30	60.0	81	12	US-10-424-599-168633	Sequence 168633, App	362	30	60.0	346	14	US-10-321-807-24	Sequence 24, Appl
290	30	60.0	88	11	US-09-833-248-233	Sequence 233, App	363	30	60.0	346	14	US-10-076-260-2	Sequence 2, Appl
291	30	60.0	88	12	US-10-424-599-175355	Sequence 175355, App	364	30	60.0	346	14	US-10-044-643-2	Sequence 2, Appl
292	30	60.0	91	15	US-09-867-550-910	Sequence 910, App	365	30	60.0	346	14	US-10-044-643-5	Sequence 5, Appl
293	30	60.0	92	15	US-10-170-096A-4	Sequence 4, Appl	366	30	60.0	346	15	US-10-296-081-3	Sequence 3, Appl
294	30	60.0	95	12	US-10-389-647-464	Sequence 464, App	367	30	60.0	346	15	US-10-369-493-11556	Sequence 11556, A
295	30	60.0	96	9	US-09-764-860-575	Sequence 575, App	368	30	60.0	346	15	US-10-369-493-14593	Sequence 14593, A
296	30	60.0	96	9	US-09-764-904-57	Sequence 57, App	369	30	60.0	346	15	US-10-369-493-14961	Sequence 14961, A
297	30	60.0	96	14	US-10-091-548-57	Sequence 57, App	370	30	60.0	352	12	US-10-210-172-192	Sequence 192, App
298	30	60.0	96	14	US-10-074-095-575	Sequence 575, App	371	30	60.0	354	9	US-09-738-626-6529	Sequence 6529, App
299	30	60.0	96	15	US-10-212-873-575	Sequence 575, App	372	30	60.0	377	10	US-09-967-237-87	Sequence 87, Appl
300	30	60.0	140	12	US-10-282-122A-75813	Sequence 75813, A	373	30	60.0	380	14	US-10-017-161-2010	Sequence 2010, App
301	30	60.0	147	12	US-10-424-599-273326	Sequence 273326, App	374	30	60.0	380	15	US-10-292-758-1656	Sequence 1656, App
302	30	60.0	156	12	US-10-282-122A-57259	Sequence 57259, A	375	30	60.0	393	16	US-10-344-738-75	Sequence 75, Appl
303	30	60.0	170	9	US-09-772-719-54	Sequence 54, Appl	376	30	60.0	409	14	US-10-021-723A-8	Sequence 8, Appl
304	30	60.0	180	12	US-10-424-599-255346	Sequence 255346, App	377	30	60.0	421	12	US-10-282-122A-67837	Sequence 67837, A
305	30	60.0	205	9	US-09-234-717-19	Sequence 19, Appl	378	30	60.0	423	12	US-10-425-114-58542	Sequence 58542, A
306	30	60.0	205	14	US-10-185-567-19	Sequence 19, Appl	379	30	60.0	456	14	US-10-259-165-132	Sequence 132, App
307	30	60.0	215	12	US-10-210-172-198	Sequence 198, App	380	30	60.0	457	9	US-09-745-763-218	Sequence 218, App

381 30 60.0 459 9 US-09-772-719-2 Sequence 2, Appli
382 30 60.0 459 10 US-09-967-237-2 Sequence 2, Appli
383 30 60.0 459 14 US-10-301-822-12 Sequence 12, Appl
384 30 60.0 459 15 US-10-465-572-10 Sequence 10, Appl
385 30 60.0 459 15 US-10-295-027-306 Sequence 306, App
386 30 60.0 459 15 US-10-295-027-1239 Sequence 1239, App
387 30 60.0 476 14 US-10-017-161-758 Sequence 758, App
388 30 60.0 535 15 US-10-369-493-1244 Sequence 1244, A
389 30 60.0 542 9 US-09-745-763-219 Sequence 219, App
390 30 60.0 568 10 US-09-991-053-3 Sequence 3, Appli
391 30 60.0 568 14 US-10-301-260A-3 Sequence 3, Appli
392 30 60.0 603 14 US-10-273-051-2 Sequence 2, Appli
393 30 60.0 603 15 US-10-129-518-2 Sequence 2, Appli
394 30 60.0 610 9 US-09-793-708-1 Sequence 1, Appli
395 30 60.0 618 14 US-10-093-860-24 Sequence 24, Appl
396 30 60.0 628 14 US-10-097-340-208 Sequence 208, App
397 30 60.0 628 14 US-10-157-031-245 Sequence 245, App
398 30 60.0 628 15 US-10-099-322-4 Sequence 4, Appli
399 30 60.0 628 15 US-10-099-322-46 Sequence 46, Appl
400 30 60.0 628 15 US-10-173-999-38 Sequence 38, Appl
401 30 60.0 628 15 US-10-044-564-4 Sequence 4, Appli
402 30 60.0 628 15 US-10-044-564-46 Sequence 46, Appl
403 30 60.0 742 14 US-10-203-860-2 Sequence 2, Appli
404 30 60.0 742 15 US-10-308-448-11 Sequence 11, Appl
405 30 60.0 742 15 US-10-341-434-85 Sequence 85, Appl
406 30 60.0 772 12 US-10-072-012-545 Sequence 545, App
407 30 60.0 778 15 US-10-389-566-1488 Sequence 1488, App
408 30 60.0 795 16 US-10-389-566-1517 Sequence 1517, App
409 30 60.0 944 14 US-10-156-761-7947 Sequence 7947, App
410 30 60.0 1016 15 US-10-369-493-23636 Sequence 23636, A
411 30 60.0 1130 14 US-10-017-161-2416 Sequence 2416, App
412 30 60.0 1130 15 US-10-292-798-20556 Sequence 2056, App
413 30 60.0 1138 14 US-10-206-933-8 Sequence 8, Appli
414 30 60.0 1151 14 US-10-206-933-10 Sequence 10, Appl
415 30 60.0 1467 14 US-10-027-161-2044 Sequence 2044, App
416 30 60.0 1467 15 US-10-282-798-1690 Sequence 1690, App
417 30 60.0 1563 15 US-10-334-143-34 Sequence 34, Appl
418 30 60.0 1967 14 US-10-219-834-85 Sequence 85, Appl
419 30 60.0 1967 14 US-10-225-567A-575 Sequence 575, App
420 30 60.0 2092 14 US-10-147-026-12 Sequence 12, Appl
421 30 60.0 2756 14 US-10-331-061-7 Sequence 7, Appli
422 30 60.0 4307 15 US-10-389-493-5698 Sequence 5698, App
423 30 60.0 4307 15 US-10-389-493-5699 Sequence 5699, App
424 30 60.0 4307 15 US-10-369-493-5700 Sequence 5700, App
425 30 60.0 6304 14 US-10-147-026-16 Sequence 16, Appl
426 30 60.0 7349 14 US-10-314-657-46 Sequence 46, Appl
427 30 60.0 10421 12 US-10-282-122A-61631 Sequence 61631, A
428 29.5 59.0 513 15 US-10-115-479-84 Sequence 84, Appl
429 29.5 59.0 764 12 US-10-424-599-143917 Sequence 143917, A
430 29.5 59.0 1397 12 US-10-282-122A-50496 Sequence 50496, A
431 29.5 59.0 10 15 US-10-360-101-139 Sequence 139, App
432 29 58.0 12 10 US-09-965-738-269 Sequence 269, App
433 29 58.0 21 11 US-09-773-830-20 Sequence 20, Appl
434 29 58.0 21 11 US-09-773-830-22 Sequence 22, Appl
435 29 58.0 44 12 US-10-424-599-192795 Sequence 192795
436 29 58.0 47 9 US-09-764-877-1517 Sequence 1517, App
437 29 58.0 47 15 US-10-242-515-1517 Sequence 1517, App
438 29 58.0 50 9 US-09-796-692-1197 Sequence 1197, App
439 29 58.0 50 9 US-09-796-692-1659 Sequence 1659, App
440 29 58.0 50 9 US-09-796-692-2223 Sequence 2223, App
441 29 58.0 50 14 US-10-040-862-1197 Sequence 1197, App
442 29 58.0 50 14 US-10-040-862-1659 Sequence 1659, App
443 29 58.0 50 14 US-10-040-862-2223 Sequence 2223, App
444 29 58.0 50 15 US-10-057-475B-1137 Sequence 1137, App
445 29 58.0 50 15 US-10-057-475B-1659 Sequence 1659, App
446 29 58.0 50 15 US-10-154-884B-1197 Sequence 1197, App
447 29 58.0 50 15 US-10-154-884B-1659 Sequence 1659, App
448 29 58.0 50 15 US-10-154-884B-2223 Sequence 2223, App
449 29 58.0 50 15 US-10-154-884B-2316 Sequence 2316, App
450 29 58.0 52 11 US-09-864-408A-204533 Sequence 204533, A
451 29 58.0 52 12 US-10-424-599-204533 Sequence 4528, A
452 29 58.0 55 9 US-09-864-761-45528 Sequence 45528, A

Sequence 157770,
Sequence 131924,
Sequence 131924, App
Sequence 208829,
Sequence 177135,
Sequence 211874,
Sequence 224809,
Sequence 241049,
Sequence 37529, A
Sequence 186612,
Sequence 194648,
Sequence 33830, A
Sequence 4315, App
Sequence 43075, A
Sequence 154328,
Sequence 1766, App
Sequence 187944,
Sequence 2374, App
Sequence 191723,
Sequence 56011, A
Sequence 1617, App
Sequence 6950, App
Sequence 2816, App
Sequence 140, App
Sequence 4579, App
Sequence 52897, A
Sequence 140, App
Sequence 191027,
Sequence 2532, App
Sequence 269179, A
Sequence 13999, A
Sequence 30, Appl
Sequence 43, Appl
Sequence 12173, A
Sequence 1182, App
Sequence 753, App
Sequence 60192, A
Sequence 355, App
Sequence 471, App
Sequence 355, App
Sequence 302, App
Sequence 285, App
Sequence 3505, App
Sequence 12345, A
Sequence 1, Appli
Sequence 158, App
Sequence 158, App

US-10-424-599-157770
US-10-424-599-191924
US-10-001-870-163
US-10-424-599-208829
US-10-424-599-177135
US-10-424-599-211874
US-10-424-599-224809
US-10-424-599-241049
US-09-864-761-37529
US-10-424-599-186612
US-10-424-599-194648
US-10-029-386-33830
US-10-106-698-4315
US-10-425-114-43075
US-10-424-599-154328
US-09-833-245-1766
US-10-424-599-187944
US-10-104-047-2374
US-10-424-599-191723
US-10-425-114-56011
US-09-925-300-1617
US-09-864-408A-6950
US-10-094-749-2816
US-09-860-670-1140
US-09-764-891-4579
US-10-425-114-52897
US-10-227-646-140
US-10-424-599-191027
US-10-264-237-2532
US-10-424-599-269179
US-10-369-433-13999
US-09-997-003-30
US-09-997-003-43
US-10-156-761-12173
US-09-925-301-1182
US-09-925-297-753
US-10-425-114-60192
US-09-764-870-355
US-09-764-853-471
US-10-125-540-355
US-10-103-313-302
US-10-158-057-285
US-10-264-049-3505
US-10-156-761-12345
US-10-294-444-1
US-09-374-046A-158
US-10-616-263-158

ALIGNMENTS

RESULT 1
US-09-964-201A-28
; Sequence 28, Application US/09964201A
; Publication No. US20030091575A1
; GENERAL INFORMATION:
; APPLICANT: Kanten, John H
; APPLICANT: Tramontano, Alfonso
; APPLICANT: Pilon, April L
; APPLICANT: Lohnas, Gerald L
; APPLICANT: Roberts, Steven F
; TITLE OF INVENTION: HEAT-SHOCK FUSION-BASED VACCINE SYSTEM
; FILE REFERENCE: U.S. Patent Application No. US20030091575A1 09/026,276
; CURRENT APPLICATION NUMBER: US/09/964,201A
; CURRENT FILING DATE: 2002-05-21
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 28
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Porcine
US-09-964-201A-28

Query Match 88.0%; Score 44; DB 10; Length 10;
Best Local Similarity 70.0%; Pred. No. 0.42;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHSXGXKPG 10
Db 1 EHSYGLRPG 10

RESULT 2

US-10-184-126-1
; Sequence 1, Application US/10184126
; Publication No. US20020183257A1
; GENERAL INFORMATION:
; APPLICANT: EL TAYAR, Nabih
; APPLICANT: ZHAO, Xuan
; APPLICANT: BENTLEY, Michael D.
; TITLE OF INVENTION: PEG-LHRH ANALOG CONJUGATES
; FILE REFERENCE: EL-TAYAR=2A
; CURRENT APPLICATION NUMBER: US/10/184,126
; CURRENT FILING DATE: 2002-06-28
; PRIOR APPLICATION NUMBER: US/09/698,134
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: 60/083,340
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: PCT/US99/09160
; PRIOR FILING DATE: 1999-04-28
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 1
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic
; NAME/KEY: misc_feature
; LOCATION: (1)..(1)
; OTHER INFORMATION: Glu is modified with a pyro group.
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (10)..(10)
; OTHER INFORMATION: Gly is modified with -NH2 group.
US-10-184-126-1

Query Match 88.0%; Score 44; DB 13; Length 10;
Best Local Similarity 70.0%; Pred. No. 0.42;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHSXGXKPG 10
Db 1 EHSYGLRPG 10

RESULT 3

US-10-115-553-1
; Sequence 1, Application US/10115553
; Publication No. US20030040482A1
; GENERAL INFORMATION:
; APPLICANT: Roeske, Roger W.
; TITLE OF INVENTION: LHRH Antagonist Peptides
; FILE REFERENCE: PPI-007CPUS
; CURRENT APPLICATION NUMBER: US/10/115,553
; CURRENT FILING DATE: 2002-04-02
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/973,378
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-06
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/480,494
; PRIOR FILING DATE: EARLIER FILING DATE: 1995-06-07
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens

; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-115-553-1

Query Match 88.0%; Score 44; DB 14; Length 10;
Best Local Similarity 70.0%; Pred. No. 0.42;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHSXGXKPG 10
Db 1 EHSYGLRPG 10

RESULT 4

US-10-122-483-1
; Sequence 1, Application US/10122483
; Publication No. US20030044936A1
; GENERAL INFORMATION:
; APPLICANT: Hwang, Jaulang
; APPLICANT: Hsu, Chia-Tse
; APPLICANT: Ting, Chun-Jen
; TITLE OF INVENTION: PEPTIDE REPEAT IMMUNOGENS
; FILE REFERENCE: 08919-071001
; CURRENT APPLICATION NUMBER: US/10/122,483
; CURRENT FILING DATE: 2002-07-15
; PRIOR APPLICATION NUMBER: 09/412,558
; PRIOR FILING DATE: 1999-10-05
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-122-483-1

Query Match 88.0%; Score 44; DB 14; Length 10;
Best Local Similarity 70.0%; Pred. No. 0.42;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHSXGXKPG 10
Db 1 EHSYGLRPG 10

RESULT 5

US-10-117-364-1
; Sequence 1, Application US/10117364
; Publication No. US20030181385A1
; GENERAL INFORMATION:
; APPLICANT: Roeske, Roger W.
; TITLE OF INVENTION: LHRH Antagonist Peptides
; FILE REFERENCE: PPI-007CPUS
; CURRENT APPLICATION NUMBER: US/10/117,364
; CURRENT FILING DATE: 2002-04-05
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/08/973,378
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-06
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/480,494
; PRIOR FILING DATE: EARLIER FILING DATE: 1995-06-07
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-117-364-1

Query Match 88.0%; Score 44; DB 14; Length 10;
Best Local Similarity 70.0%; Pred. No. 0.42;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHSXGXKPG 10
Db 1 EHSYGLRPG 10

```

RESULT 6
US-10-311-688-4
; Sequence 4, Application US/10311688
; Publication No. US20030191164A1
; GENERAL INFORMATION:
; APPLICANT: Yamanouchi Pharmaceutical Co., Ltd.
; TITLE OF INVENTION: PROPANE-1,3-DIONE DERIVATIVE
; FILE REFERENCE: Q73475
; CURRENT APPLICATION NUMBER: US/10/311.688
; CURRENT FILING DATE: 2002-12-19
; PRIOR APPLICATION NUMBER: JPA P. 2000-204425
; PRIOR FILING DATE: 2000-07-05
; PRIOR APPLICATION NUMBER: JPA P. 2001-153372
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: PCT/JP01/05813
; PRIOR FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-311-688-4

Query Match      88.0%; Score 44; DB 14; Length 10;
Best Local Similarity 70.0%; Pred. No. 0.42;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWSGXGXP 10
DB 1 EHWSYGLRPG 10

RESULT 7
US-10-353-160A-1
; Sequence 1, Application US/10353160A
; Publication No. US20040010033A1
; GENERAL INFORMATION:
; APPLICANT: Agouron Pharmaceuticals, Inc./A Pfizer Company
; TITLE OF INVENTION: No. US20040010033A1-Peptide GnRH Agonists, Methods And Intermediates
; FILE REFERENCE: 0059-02-US
; CURRENT APPLICATION NUMBER: US/10/353.160A
; CURRENT FILING DATE: 2003-01-27
; PRIOR APPLICATION NUMBER: 09/763,216
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/097,520
; PRIOR FILING DATE: 1998-08-20
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Gonadotropin-releasing hormone, also known as luteinizing hormone
; OTHER INFORMATION: -releasing hormone, which plays a central role in the biology of
; OTHER INFORMATION: reproduction.
US-10-353-160A-1

Query Match      88.0%; Score 44; DB 15; Length 10;
Best Local Similarity 70.0%; Pred. No. 0.42;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWSGXGXP 10
DB 1 EHWSYGLRPG 10

RESULT 8
US-10-298-378-1
; Sequence 1, Application US/10298378

```

```

; Publication No. US20040022739A1
; GENERAL INFORMATION:
; APPLICANT: Daniels, John
; APPLICANT: Pike, Malcolm
; APPLICANT: Spicer, Darcy
; APPLICANT: Daniels, AnnaMarie
; TITLE OF INVENTION: Nasal Spray Formulation and Method
; FILE REFERENCE: 38931.8002.US00
; CURRENT APPLICATION NUMBER: US/10/298.378
; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US 60/400,575
; PRIOR FILING DATE: 2002-08-02
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic
; NAME/KEY: VARIANT
; LOCATION: 10
; OTHER INFORMATION: amino acid linked to NH2
US-10-298-378-1

Query Match      88.0%; Score 44; DB 16; Length 10;
Best Local Similarity 70.0%; Pred. No. 0.42;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWSGXGXP 10
DB 1 EHWSYGLRPG 10

RESULT 9
US-10-298-851-1
; Sequence 1, Application US/10298851
; Publication No. US20040023867A1
; GENERAL INFORMATION:
; APPLICANT: Daniels, John
; APPLICANT: Pike, Malcolm
; APPLICANT: Spicer, Darcy
; TITLE OF INVENTION: Methods and Compositions for Treating
; TITLE OF INVENTION: Benign Gynecological Disorders
; FILE REFERENCE: 38931-8001.US00
; CURRENT APPLICATION NUMBER: US/10/298,851
; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US 60/400,626
; PRIOR FILING DATE: 2002-08-02
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic
; NAME/KEY: VARIANT
; LOCATION: 10
; OTHER INFORMATION: amino acid linked to NH2
US-10-298-851-1

Query Match      88.0%; Score 44; DB 16; Length 10;
Best Local Similarity 70.0%; Pred. No. 0.42;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWSGXGXP 10
DB 1 EHWSYGLRPG 10

```

RESULT 10
 US-09-305-924-3
 ; Sequence 3, Application US/09305924A
 ; Publication No. US20030091575A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Jack G. Manns
 ; APPLICANT: Stephen D. Acres
 ; APPLICANT: Richard Harland
 ; TITLE OF INVENTION: METHODS OF RAISING ANIMALS FOR MEAT PRODUCTION
 ; FILE REFERENCE: 9001-0048
 ; CURRENT APPLICATION NUMBER: US/09/305,924A
 ; CURRENT FILING DATE: 1999-05-05
 ; EARLIER APPLICATION NUMBER: US 60/084,217
 ; EARLIER FILING DATE: 1998-05-05
 ; NUMBER OF SEQ ID NOS: 14
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 3
 ; LENGTH: 17
 ; TYPE: PRT
 ; ORGANISM: GnRH
 US-09-305-924-3

Query Match 88.0%; Score 44; DB 10; Length 17;
 Best Local Similarity 70.0%; Pred. No. 0.67; Mismatches 0; Indels 3; Gaps 0;
 Matches 7; Conservative 0;

QY 1 EHWSGXGXP 10
 |||||
 DB 8 EHWSYGLRPG 17

RESULT 11
 US-09-964-201A-29
 ; Sequence 29, Application US/09964201A
 ; Publication No. US20030091575A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Kenten, John H
 ; APPLICANT: Tramontano, Alfonso
 ; APPLICANT: Pilon, Aprile L
 ; APPLICANT: Lohnas, Gerald L
 ; APPLICANT: Roberts, Steven F
 ; TITLE OF INVENTION: HEAT-SHOCK FUSION-BASED VACCINE SYSTEM
 ; FILE REFERENCE: U.S. Patent Application No. US20030091575A1 09\026,276
 ; CURRENT APPLICATION NUMBER: US/09/964,201A
 ; CURRENT FILING DATE: 2002-05-21
 ; NUMBER OF SEQ ID NOS: 35
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 29
 ; LENGTH: 20
 ; TYPE: PRT
 ; ORGANISM: Porcine
 US-09-964-201A-29

Query Match 88.0%; Score 44; DB 10; Length 20;
 Best Local Similarity 70.0%; Pred. No. 0.77; Mismatches 0; Indels 3; Gaps 0;
 Matches 7; Conservative 0;

QY 1 EHWSGXGXP 10
 |||||
 DB 1 EHWSYGLRPG 10

RESULT 12
 US-09-964-201A-30
 ; Sequence 30, Application US/09964201A
 ; Publication No. US20030091575A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Kenten, John H
 ; APPLICANT: Tramontano, Alfonso
 ; APPLICANT: Pilon, Aprile L
 ; APPLICANT: Lohnas, Gerald L
 ; APPLICANT: Roberts, Steven F

; TITLE OF INVENTION: HEAT-SHOCK FUSION-BASED VACCINE SYSTEM
 ; FILE REFERENCE: U.S. Patent Application No. US20030091575A1 09\026,276
 ; CURRENT APPLICATION NUMBER: US/09/964,201A
 ; CURRENT FILING DATE: 2002-05-21
 ; NUMBER OF SEQ ID NOS: 35
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 30
 ; LENGTH: 20
 ; TYPE: PRT
 ; ORGANISM: Porcine
 US-09-964-201A-30

Query Match 88.0%; Score 44; DB 10; Length 20;
 Best Local Similarity 70.0%; Pred. No. 0.77; Mismatches 0; Indels 3; Gaps 0;
 Matches 7; Conservative 0;

QY 1 EHWSGXGXP 10
 |||||
 DB 1 EHWSYGLRPG 10

RESULT 13
 US-09-964-201A-31
 ; Sequence 31, Application US/09964201A
 ; Publication No. US20030091575A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Kenten, John H
 ; APPLICANT: Tramontano, Alfonso
 ; APPLICANT: Pilon, Aprile L
 ; APPLICANT: Lohnas, Gerald L
 ; APPLICANT: Roberts, Steven F
 ; TITLE OF INVENTION: HEAT-SHOCK FUSION-BASED VACCINE SYSTEM
 ; FILE REFERENCE: U.S. Patent Application No. US20030091575A1 09\026,276
 ; CURRENT APPLICATION NUMBER: US/09/964,201A
 ; CURRENT FILING DATE: 2002-05-21
 ; NUMBER OF SEQ ID NOS: 35
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 31
 ; LENGTH: 20
 ; TYPE: PRT
 ; ORGANISM: Porcine
 US-09-964-201A-31

Query Match 88.0%; Score 44; DB 10; Length 20;
 Best Local Similarity 70.0%; Pred. No. 0.77; Mismatches 0; Indels 3; Gaps 0;
 Matches 7; Conservative 0;

QY 1 EHWSGXGXP 10
 |||||
 DB 11 EHWSYGLRPG 20

RESULT 14
 US-10-076-674-7
 ; Sequence 7, Application US/10076674
 ; Publication No. US20030165478A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sokoll, Kenneth K.
 ; TITLE OF INVENTION: Stabilized Synthetic Immunogen Delivery System
 ; FILE REFERENCE: Immunogen Delivery System
 ; CURRENT APPLICATION NUMBER: US/10/076,674
 ; CURRENT FILING DATE: 2002-04-23
 ; NUMBER OF SEQ ID NOS: 11
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 7
 ; LENGTH: 27
 ; TYPE: PRT
 ; ORGANISM: Human
 US-10-076-674-7

Query Match 88.0%; Score 44; DB 14; Length 27;
 Best Local Similarity 70.0%; Pred. No. 1; Mismatches 0; Indels 3; Gaps 0;
 Matches 7; Conservative 0;

```
QY      1 EHWSGXGXP 10
      |||||
Db      18 EHWSYGLRPG 27

RESULT 15
US-10-355-161A-7
; Sequence 7, Application US/10355161A
; Publication No. US20040009897A1
; GENERAL INFORMATION:
; APPLICANT: Sokoll, Kenneth K.
; TITLE OF INVENTION: Stabilized Synthetic Immunogen Delivery System
; FILE REFERENCE: Immunogen Delivery System
; CURRENT APPLICATION NUMBER: US/10/355,161A
; CURRENT FILING DATE: 2003-01-31
; PRIOR APPLICATION NUMBER: US 10/076674
; PRIOR FILING DATE: 2002-02-14
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Human
US-10-355-161A-7

Query Match      88.0%; Score 44; DB 15; Length 27;
Best Local Similarity 70.0%; Pred. No. 1;
Matches 7; Conservative 0; Mismatches 0; Indels 3; Gaps 0;

QY      1 EHWSGXGXP 10
      |||||
Db      18 EHWSYGLRPG 27

RESULT 16
US-10-076-674-8
; Sequence 8, Application US/10076674
; Publication No. US20030165478A1
; GENERAL INFORMATION:
; APPLICANT: Sokoll, Kenneth K.
; TITLE OF INVENTION: Stabilized Synthetic Immunogen Delivery System
; FILE REFERENCE: Immunogen Delivery System
; CURRENT APPLICATION NUMBER: US/10/076,674
; CURRENT FILING DATE: 2002-04-23
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 45
; TYPE: PRT
; ORGANISM: Human
US-10-076-674-8

Query Match      88.0%; Score 44; DB 14; Length 45;
Best Local Similarity 70.0%; Pred. No. 1.6;
Matches 7; Conservative 0; Mismatches 3; Indels 3; Gaps 0;

QY      1 EHWSGXGXP 10
      |||||
Db      36 EHWSYGLRPG 45

RESULT 17
US-10-076-674-9
; Sequence 9, Application US/10076674
; Publication No. US20030165478A1
; GENERAL INFORMATION:
; APPLICANT: Sokoll, Kenneth K.
; TITLE OF INVENTION: Stabilized Synthetic Immunogen Delivery System
; FILE REFERENCE: Immunogen Delivery System
; CURRENT APPLICATION NUMBER: US/10/076,674
; CURRENT FILING DATE: 2002-04-23
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 9
; LENGTH: 45
; TYPE: PRT
; ORGANISM: Human
US-10-076-674-9

Query Match      88.0%; Score 44; DB 15; Length 45;
Best Local Similarity 70.0%; Pred. No. 1.6;
Matches 7; Conservative 0; Mismatches 3; Indels 3; Gaps 0;

QY      1 EHWSGXGXP 10
      |||||
Db      36 EHWSYGLRPG 45

RESULT 18
US-10-355-161A-8
; Sequence 8, Application US/10355161A
; Publication No. US20040009897A1
; GENERAL INFORMATION:
; APPLICANT: Sokoll, Kenneth K.
; TITLE OF INVENTION: Stabilized Synthetic Immunogen Delivery System
; FILE REFERENCE: Immunogen Delivery System
; CURRENT APPLICATION NUMBER: US/10/355,161A
; CURRENT FILING DATE: 2003-01-31
; PRIOR APPLICATION NUMBER: US 10/076674
; PRIOR FILING DATE: 2002-02-14
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 45
; TYPE: PRT
; ORGANISM: Human
US-10-355-161A-8

Query Match      88.0%; Score 44; DB 15; Length 45;
Best Local Similarity 70.0%; Pred. No. 1.6;
Matches 7; Conservative 0; Mismatches 3; Indels 3; Gaps 0;

QY      1 EHWSGXGXP 10
      |||||
Db      36 EHWSYGLRPG 45

RESULT 19
US-10-355-161A-9
; Sequence 9, Application US/10355161A
; Publication No. US20040009897A1
; GENERAL INFORMATION:
; APPLICANT: Sokoll, Kenneth K.
; TITLE OF INVENTION: Stabilized Synthetic Immunogen Delivery System
; FILE REFERENCE: Immunogen Delivery System
; CURRENT APPLICATION NUMBER: US/10/355,161A
; CURRENT FILING DATE: 2003-01-31
; PRIOR APPLICATION NUMBER: US 10/076674
; PRIOR FILING DATE: 2002-02-14
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 9
; LENGTH: 45
; TYPE: PRT
; ORGANISM: Human
US-10-355-161A-9

Query Match      88.0%; Score 44; DB 15; Length 45;
Best Local Similarity 70.0%; Pred. No. 1.6;
Matches 7; Conservative 0; Mismatches 3; Indels 3; Gaps 0;

QY      1 EHWSGXGXP 10
      |||||
Db      36 EHWSYGLRPG 45
```

RESULT 20
US-09-019-010-2
; Sequence 2, Application US/09019010
; Patent No. US20010014330A1
; GENERAL INFORMATION:
; APPLICANT: HARLAND, RICHARD
; APPLICANT: MANNS, JOHN G.
; APPLICANT: ACRES, STEPHEN D.
; TITLE OF INVENTION: IMMUNIZATION AGAINST ENDOGENOUS
; MOLECULES
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ROBINS & ASSOCIATES
; STREET: 90 MIDDLEFIELD ROAD, SUITE 200
; CITY: MENLO PARK
; STATE: CA
; COUNTRY: USA
; ZIP: 94025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/019,010
; FILING DATE: 05-FEB-1998
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/036,883
; FILING DATE: 05-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: MCCracken, THOMAS P.
; REGISTRATION NUMBER: 38,548
; REFERENCE/DOCKET NUMBER: 9001-0035
; TELEPHONE: (650) 325-7812
; TELEFAX: (650) 325-7823
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-019-010-2

Query Match 82.0%; Score 41; DB 9; Length 10;
Best Local Similarity 60.0%; Pred. No. 1.4;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
QY 1 EHWSXGXPG 10
Db 1 QHWSYGLRPG 10

RESULT 21
US-09-964-201A-32
; Sequence 32, Application US/09964201A
; Publication No. US20030091575A1
; GENERAL INFORMATION:
; APPLICANT: Kanten, John H
; APPLICANT: Tramontano, Alfonso
; APPLICANT: Pilon, April L
; APPLICANT: Lohns, Gerald L
; APPLICANT: Roberts, Steven F
; TITLE OF INVENTION: HEAT-SHOCK FUSION-BASED VACCINE SYSTEM
; FILE REFERENCE: U.S. Patent Application No. US20030091575A1 09\026,276
; CURRENT APPLICATION NUMBER: US/09/964,201A
; CURRENT FILING DATE: 2002-05-21
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 32
; LENGTH: 10

; TYPE: PRT
; ORGANISM: Porcine
US-09-964-201A-32
Query Match 82.0%; Score 41; DB 10; Length 10;
Best Local Similarity 60.0%; Pred. No. 1.4;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
QY 1 EHWSXGXPG 10
Db 1 QHWSYGLRPG 10
RESULT 22
US-09-305-924-9
; Sequence 9, Application US/09305924A
; Publication No. US20030091579A1
; GENERAL INFORMATION:
; APPLICANT: Jack G. Manns
; APPLICANT: Stephen D. Acres
; APPLICANT: Richard Harland
; TITLE OF INVENTION: METHODS OF RAISING ANIMALS FOR MEAT PRODUCTION
; FILE REFERENCE: 9001-0048
; CURRENT APPLICATION NUMBER: US/09/305,924A
; CURRENT FILING DATE: 1999-05-05
; EARLIER APPLICATION NUMBER: US 60/084,217
; EARLIER FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 9
; LENGTH: 10
; TYPE: PRT
; ORGANISM: GnRH
US-09-305-924-9

Query Match 82.0%; Score 41; DB 10; Length 10;
Best Local Similarity 60.0%; Pred. No. 1.4;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
QY 1 EHWSXGXPG 10
Db 1 QHWSYGLRPG 10

RESULT 23
US-10-351-641-1143
; Sequence 1143, Application US/10351641
; Publication No. US20030186874A1
; GENERAL INFORMATION:
; APPLICANT: Barney, S.
; APPLICANT: Guthrie, K.
; APPLICANT: Merutka, G.
; APPLICANT: Anwer, M.
; APPLICANT: Lambert, D.
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC
; PROPERTIES
; FILE REFERENCE: 7872-100
; CURRENT APPLICATION NUMBER: US/10/351,641
; CURRENT FILING DATE: 2003-01-24
; PRIOR APPLICATION NUMBER: 09/350,641
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/315,304
; PRIOR FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: 09/082,279
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 1757
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1143
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Core polypeptide

US-10-351-641-1143

Query Match 82.0%; Score 41; DB 14; Length 10;
Best Local Similarity 60.0%; Pred. No. 1.4;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWSGXGXP 10
:|||||
Db 1 QHWSYGLRPG 10

RESULT 24

US-10-351-641-1309
; Sequence 1309, Application US/10351641
; Publication No. US20030186874A1
; GENERAL INFORMATION:
; APPLICANT: Barney, S. K.
; APPLICANT: Guthrie, K.
; APPLICANT: Merutka, G.
; APPLICANT: Anwer, M.
; APPLICANT: Lambert, D.
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC
; FILE REFERENCE: 7872-100
; CURRENT APPLICATION NUMBER: US/10/351,641
; PRIOR FILING DATE: 2003-01-24
; PRIOR APPLICATION NUMBER: 09/350,641
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/315,304
; PRIOR FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: 09/082,279
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 1757
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1309
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Core polypeptide
US-10-351-641-1309

Query Match 82.0%; Score 41; DB 14; Length 10;
Best Local Similarity 60.0%; Pred. No. 1.4;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWSGXGXP 10
:|||||
Db 1 QHWSYGLRPG 10

RESULT 25

US-10-351-641-1344
; Sequence 1344, Application US/10351641
; Publication No. US20030186874A1
; GENERAL INFORMATION:
; APPLICANT: Barney, S. K.
; APPLICANT: Guthrie, K.
; APPLICANT: Merutka, G.
; APPLICANT: Anwer, M.
; APPLICANT: Lambert, D.
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC
; FILE REFERENCE: 7872-100
; CURRENT APPLICATION NUMBER: US/10/351,641
; PRIOR FILING DATE: 2003-01-24
; PRIOR APPLICATION NUMBER: 09/350,641
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/315,304
; PRIOR FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: 09/082,279
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 1757

; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1344
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Core polypeptide
US-10-351-641-1344

Query Match 82.0%; Score 41; DB 14; Length 10;
Best Local Similarity 60.0%; Pred. No. 1.4;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWSGXGXP 10
:|||||
Db 1 QHWSYGLRPG 10

RESULT 26

US-10-360-101-1
; Sequence 1, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; PRIOR FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: LHRH1 sequence
US-10-360-101-1

Query Match 82.0%; Score 41; DB 15; Length 10;
Best Local Similarity 60.0%; Pred. No. 1.4;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWSGXGXP 10
:|||||
Db 1 QHWSYGLRPG 10

RESULT 27

US-10-360-101-299
; Sequence 299, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; PRIOR FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 299
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: LHRH1 analogue
US-10-360-101-299

Query Match 82.0%; Score 41; DB 15; Length 10;
Best Local Similarity 60.0%; Pred. No. 1.4;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHSXGXKPG 10
:|||||
Db 1 QHWSYGLRPG 10

RESULT 28
US-10-617-561-9
; Sequence 9, Application US/10617561
; Publication No. US20040018967A1
; GENERAL INFORMATION:
; APPLICANT: La. State Univ. & Mech. Coll., Board of Supervisors
; Enright, Frederick M.
; Jaynes, Jesse M.
; Hanel, William
; Koonce, Kenneth L.
; McCann, Samuel M.
; Yu, Wen H.
; Melrose, Patricia A.
; Foil, Lane D.
; Elzer, Philip H.
; TITLE OF INVENTION: Ligand/Lytic Peptide Compositions and
; METHODS OF USE
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: John H. Rannels
; STREET: P. O. Box 2471
; CITY: Baton Rouge
; STATE: LA
; COUNTRY: USA
; ZIP: 70821-2471
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/617,561
; FILING DATE: 11-Jul-2003
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/381,879
; FILING DATE: 25-Aug-1999
; ATTORNEY/AGENT INFORMATION:
; NAME: Rannels, John H.
; REGISTRATION NUMBER: 33,451
; REFERENCE/DOCKET NUMBER: 96A3.2-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (225) 387-3221
; TELEFAX: (225) 346-8049
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..10
; OTHER INFORMATION: /note= "This sequence is a modified
; GNRH."
; SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-10-617-561-9

Query Match 82.0%; Score 41; DB 15; Length 10;
Best Local Similarity 60.0%; Pred. No. 1.4;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHSXGXKPG 10
:|||||

Db 1 QHWSYGLRPG 10

RESULT 29
US-10-044-034-17
; Sequence 17, Application US/10044034
; Publication No. US20020169264A1
; GENERAL INFORMATION:
; APPLICANT: JACKSON, DAVID C.
; APPLICANT: O'BRIEN-SIMPSON, NEIL M.
; APPLICANT: BROWN, LORENA E.
; APPLICANT: EDE, NICHOLAS J.
; APPLICANT: BRANDT, EVELYN R.
; APPLICANT: GOOD, MICHAEL F.
; TITLE OF INVENTION: POLYMERS INCORPORATING PEPTIDES
; FILE REFERENCE: FERC:006
; CURRENT APPLICATION NUMBER: US/10/044,034
; CURRENT FILING DATE: 2002-01-11
; PRIOR APPLICATION NUMBER: P05071
; PRIOR FILING DATE: 1997-02-11
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 17
; LENGTH: 11
; TYPE: PPT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptides
US-10-044-034-17

Query Match 82.0%; Score 41; DB 13; Length 11;
Best Local Similarity 60.0%; Pred. No. 1.5;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHSXGXKPG 10
:|||||
Db 2 QHWSYGLRPG 11

RESULT 30
US-10-351-641-1146
; Sequence 1146, Application US/10351641
; Publication No. US20030186874A1
; GENERAL INFORMATION:
; APPLICANT: Barney, S.
; APPLICANT: Guthrie, K.
; APPLICANT: Merutka, G.
; APPLICANT: Anwer, M.
; APPLICANT: Lambert, D.
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC
; FILE REFERENCE: 7872-100
; CURRENT APPLICATION NUMBER: US/10/351,641
; CURRENT FILING DATE: 2003-01-24
; PRIOR APPLICATION NUMBER: 09/350,641
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/315,304
; PRIOR FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: 09/082,279
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 1757
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1146
; LENGTH: 18
; TYPE: PPT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Core polypeptide
US-10-351-641-1146

Query Match 82.0%; Score 41; DB 14; Length 18;
Best Local Similarity 60.0%; Pred. No. 2.3;

Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWSGXGXP 10
:|||||
Db 5 QHWSYGLRPG 14

RESULT 31
US-10-351-641-1147
; Sequence 1147, Application US/10351641
; Publication No. US20030186874A1
; GENERAL INFORMATION:
; APPLICANT: Barney, S.
; APPLICANT: Guthrie, K.
; APPLICANT: Merutka, G.
; APPLICANT: Anwer, M.
; APPLICANT: Lambert, D.
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC
; FILE REFERENCE: 7872-100
; CURRENT APPLICATION NUMBER: US/10/351,641
; CURRENT FILING DATE: 2003-01-24
; PRIOR APPLICATION NUMBER: 09/350,641
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/315,304
; PRIOR FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: 09/082,279
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 1757
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1147
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Core polypeptide
US-10-351-641-1147

Query Match 82.0%; Score 41; DB 14; Length 18;
Best Local Similarity 60.0%; Pred. No. 2.3;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWSGXGXP 10
:|||||
Db 5 QHWSYGLRPG 14

RESULT 32
US-10-351-641-1148
; Sequence 1148, Application US/10351641
; Publication No. US20030186874A1
; GENERAL INFORMATION:
; APPLICANT: Barney, S.
; APPLICANT: Guthrie, K.
; APPLICANT: Merutka, G.
; APPLICANT: Anwer, M.
; APPLICANT: Lambert, D.
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC
; FILE REFERENCE: 7872-100
; CURRENT APPLICATION NUMBER: US/10/351,641
; CURRENT FILING DATE: 2003-01-24
; PRIOR APPLICATION NUMBER: 09/350,641
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/315,304
; PRIOR FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: 09/082,279
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 1757
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1148
; LENGTH: 18
; TYPE: PRT

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Core polypeptide
US-10-351-641-1148

Query Match 82.0%; Score 41; DB 14; Length 18;
Best Local Similarity 60.0%; Pred. No. 2.3;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWSGXGXP 10
:|||||
Db 5 QHWSYGLRPG 14

RESULT 33
US-10-351-641-1172
; Sequence 1172, Application US/10351641
; Publication No. US20030186874A1
; GENERAL INFORMATION:
; APPLICANT: Barney, S.
; APPLICANT: Guthrie, K.
; APPLICANT: Merutka, G.
; APPLICANT: Anwer, M.
; APPLICANT: Lambert, D.
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC
; FILE REFERENCE: 7872-100
; CURRENT APPLICATION NUMBER: US/10/351,641
; CURRENT FILING DATE: 2003-01-24
; PRIOR APPLICATION NUMBER: 09/350,641
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/315,304
; PRIOR FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: 09/082,279
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 1757
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1172
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Core polypeptide
US-10-351-641-1172

Query Match 82.0%; Score 41; DB 14; Length 18;
Best Local Similarity 60.0%; Pred. No. 2.3;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 EHWSGXGXP 10
:|||||
Db 5 QHWSYGLRPG 14

RESULT 34
US-10-351-641-1173
; Sequence 1173, Application US/10351641
; Publication No. US20030186874A1
; GENERAL INFORMATION:
; APPLICANT: Barney, S.
; APPLICANT: Guthrie, K.
; APPLICANT: Merutka, G.
; APPLICANT: Anwer, M.
; APPLICANT: Lambert, D.
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC
; FILE REFERENCE: 7872-100
; CURRENT APPLICATION NUMBER: US/10/351,641
; CURRENT FILING DATE: 2003-01-24
; PRIOR APPLICATION NUMBER: 09/350,641
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/315,304
; PRIOR FILING DATE: 1999-05-20

```
/ PRIOR APPLICATION NUMBER: 09/082,279
/ PRIOR FILING DATE: 1998-05-20
/ NUMBER OF SEQ ID NOS: 1757
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 1173
/ LENGTH: 18
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Core polypeptide
US-10-351-641-1173

Query Match      82.0%; Score 41; DB 14; Length 18;
Best Local Similarity 60.0%; Pred. No. 2.3;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 EHWSXGXXPG 10
   :||| |||
Db 5 QHWSYGLRPG 14

RESULT 35
US-09-964-201A-26
/ Sequence 26, Application US/09964201A
/ Publication No. US20030091575A1
/ GENERAL INFORMATION:
/ APPLICANT: Kencen, John H
/ APPLICANT: Tramontano, Alfonso
/ APPLICANT: Pilon, Aprile L
/ APPLICANT: Lohnas, Gerald F
/ APPLICANT: Roberts, Steven F
/ TITLE OF INVENTION: HEAT-SHOCK FUSION-BASED VACCINE SYSTEM
/ FILE REFERENCE: U.S. Patent Application No. US20030091575A1 09/026,276
/ CURRENT APPLICATION NUMBER: US/09/964,201A
/ CURRENT FILING DATE: 2002-05-21
/ NUMBER OF SEQ ID NOS: 35
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 26
/ LENGTH: 20
/ TYPE: PRT
/ ORGANISM: Porcine
US-09-964-201A-26

Query Match      82.0%; Score 41; DB 10; Length 20;
Best Local Similarity 60.0%; Pred. No. 2.5;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 EHWSXGXXPG 10
   :||| |||
Db 1 QHWSYGLRPG 10

RESULT 36
US-10-351-641-1145
/ Sequence 1145, Application US/10351641
/ Publication No. US20030186874A1
/ GENERAL INFORMATION:
/ APPLICANT: Barney, S.
/ APPLICANT: Guthrie, K.
/ APPLICANT: Merutka, G.
/ APPLICANT: Anwer, M.
/ APPLICANT: Lambert, D.
/ TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC
/ FILE REFERENCE: 7872-100
/ CURRENT APPLICATION NUMBER: US/10/351,641
/ CURRENT FILING DATE: 2003-01-24
/ PRIOR APPLICATION NUMBER: 09/350,641
/ PRIOR FILING DATE: 1999-07-09
/ PRIOR FILING DATE: 1999-05-20
/ PRIOR FILING DATE: 1998-05-20
/ PRIOR FILING DATE: 1998-05-20

Qy 1 EHWSXGXXPG 10
   :||| |||
Db 9 QHWSYGLRPG 18

RESULT 37
US-10-351-641-1144
/ Sequence 1144, Application US/10351641
/ Publication No. US20030186874A1
/ GENERAL INFORMATION:
/ APPLICANT: Barney, S.
/ APPLICANT: Guthrie, K.
/ APPLICANT: Merutka, G.
/ APPLICANT: Anwer, M.
/ APPLICANT: Lambert, D.
/ TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC
/ FILE REFERENCE: 7872-100
/ CURRENT APPLICATION NUMBER: US/10/351,641
/ CURRENT FILING DATE: 2003-01-24
/ PRIOR APPLICATION NUMBER: 09/350,641
/ PRIOR FILING DATE: 1999-07-09
/ PRIOR APPLICATION NUMBER: 09/315,304
/ PRIOR FILING DATE: 1999-05-20
/ PRIOR APPLICATION NUMBER: 09/082,279
/ PRIOR FILING DATE: 1998-05-20
/ NUMBER OF SEQ ID NOS: 1757
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 1144
/ LENGTH: 26
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Core polypeptide
US-10-351-641-1144

Query Match      82.0%; Score 41; DB 14; Length 26;
Best Local Similarity 60.0%; Pred. No. 3.2;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 EHWSXGXXPG 10
   :||| |||
Db 9 QHWSYGLRPG 18

RESULT 38
US-10-617-561-3
/ Sequence 3, Application US/10617561
/ Publication No. US20040018967A1
/ GENERAL INFORMATION:
/ APPLICANT: La. State Univ. & Mech. Coll., Board of Supervisors
/ Enright, Frederick M.
/ Jaynes, Jesse M.
/ Hansel, William
/ Koonce, Kenneth L.
/ McCann, Samuel M.
/ Yu, Wen H.
/ Melrose, Patricia A.
/ Poil, Lane D.
```

Elzer, Philip H.
TITLE OF INVENTION: Ligand/Lytic Peptide Compositions and Methods of Use
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: John H. Runnels
STREET: P. O. Box 2471
CITY: Baton Rouge
STATE: LA
COUNTRY: USA
ZIP: 70821-2471
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/617,561
FILING DATE: 11-Jul-2003
CLASSIFICATION: <unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/381,879
FILING DATE: 25-Aug-1999
ATTORNEY/AGENT INFORMATION:
NAME: Runnels, John H.
REGISTRATION NUMBER: 33,451
REFERENCE/DOCKET NUMBER: 96A3.2-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (225) 387-3221
TELEFAX: (225) 346-8049
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 33 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..33
OTHER INFORMATION: /note= "This sequence is a modified GcRH/hecate fusion peptide."
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-617-561-3
Query Match 82.0%; Score 41; DB 15; Length 33;
Best Local Similarity 60.0%; Pred. No. 3.9;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
QY 1 EHWSGXKXPG 10
Db 1 QHWSYGLRPG 10
RESULT 39
US-10-617-561-4
Sequence 4, Application US/10617561
Publication No. US20040018967A1
GENERAL INFORMATION:
APPLICANT: La. State Univ. & Mech. Coll., Board of Supervisors
Enright, Frederick M.
Jaynes, Jesse M.
Hansel, William
Koonce, Kenneth L.
McCann, Samuel M.
Yu, Wen H.
Melrose, Patricia A.
Foil, Lane D.
Elzer, Philip H.
TITLE OF INVENTION: Ligand/Lytic Peptide Compositions and Methods of Use
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: John H. Runnels

STREET: P. O. Box 2471
CITY: Baton Rouge
STATE: LA
COUNTRY: USA
ZIP: 70821-2471
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/617,561
FILING DATE: 11-Jul-2003
CLASSIFICATION: <unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/381,879
FILING DATE: 25-Aug-1999
ATTORNEY/AGENT INFORMATION:
NAME: Runnels, John H.
REGISTRATION NUMBER: 33,451
REFERENCE/DOCKET NUMBER: 96A3.2-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (225) 387-3221
TELEFAX: (225) 346-8049
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 33 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..33
OTHER INFORMATION: /note= "This sequence is a hecate/modified GcRH fusion peptide."
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-617-561-4
Query Match 82.0%; Score 41; DB 15; Length 33;
Best Local Similarity 60.0%; Pred. No. 3.9;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
QY 1 EHWSGXKXPG 10
Db 24 QHWSYGLRPG 33
RESULT 40
US-09-964-201A-35
Sequence 35, Application US/09964201A
Publication No. US20030091575A1
GENERAL INFORMATION:
APPLICANT: Kenten, John H
APPLICANT: Tramontano, Alfonso
APPLICANT: Pilon, Aprile L
APPLICANT: Lohnas, Gerald L
APPLICANT: Roberts, Steven F
TITLE OF INVENTION: HEAT-SHOCK FUSION-BASED VACCINE SYSTEM
FILE REFERENCE: U.S. Patent Application No. US20030091575A1 09\026,276
CURRENT APPLICATION NUMBER: US/09/964,201A
CURRENT FILING DATE: 2002-05-21
NUMBER OF SEQ ID NOS: 35
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 35
LENGTH: 40
TYPE: PRT
ORGANISM: Porcine
US-09-964-201A-35
Query Match 82.0%; Score 41; DB 10; Length 40;
Best Local Similarity 60.0%; Pred. No. 4.6;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 EHWSXGXXPG 10
:|||||
Db 1 QHWSYGLRPG 10

RESULT 41
US-09-964-201A-34
; Sequence 34, Application US/09964201A
; Publication No. US20030091575A1
; GENERAL INFORMATION:
; APPLICANT: Kenten, John H
; APPLICANT: Tramontano, Alfonso
; APPLICANT: Pilon, April L
; APPLICANT: Lohnas, Gerald L
; APPLICANT: Roberts, Steven F
; TITLE OF INVENTION: HEAT-SHOCK FUSION-BASED VACCINE SYSTEM
; FILE REFERENCE: U.S. Patent Application No. US20030091575A1 09\026,276
; CURRENT FILING DATE: 2002-05-21
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 34
; LENGTH: 41
; TYPE: PRT
; ORGANISM: Porcine
US-09-964-201A-34

Query Match 82.0%; Score 41; DB 10; Length 41;
Best Local Similarity 60.0%; Pred. No. 4.6;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 EHWSXGXXPG 10
:|||||
Db 1 QHWSYGLRPG 10

RESULT 42
US-09-019-010-4
; Sequence 4, Application US/09019010
; Patent No. US20010014330A1
; GENERAL INFORMATION:
; APPLICANT: HARLAND, RICHARD
; APPLICANT: MANN, JOHN G.
; APPLICANT: ACRES, STEPHEN D.
; TITLE OF INVENTION: IMMUNIZATION AGAINST ENDOGENOUS
; MOLECULES
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ROBINS & ASSOCIATES
; STREET: 90 MIDDLEFIELD ROAD, SUITE 200
; CITY: MENLO PARK
; STATE: CA
; COUNTRY: USA
; ZIP: 94025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/019,010
; FILING DATE: 05-FEB-1998
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/036,883
; FILING DATE: 05-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: MCCracken, THOMAS P.
; REGISTRATION NUMBER: 38,548
; REFERENCE/DOCKET NUMBER: 9001-0035
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 325-7812
; TELEFAX: (650) 325-7823

; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 49 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-019-010-4

Query Match 82.0%; Score 41; DB 9; Length 49;
Best Local Similarity 60.0%; Pred. No. 5.6;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 EHWSXGXXPG 10
:|||||
Db 1 QHWSYGLRPG 10

RESULT 43
US-09-305-924-11
; Sequence 11, Application US/09305924A
; Publication No. US20030091579A1
; GENERAL INFORMATION:
; APPLICANT: Jack G. Manns
; APPLICANT: Richard Harland
; APPLICANT: Stephen D. Acres
; TITLE OF INVENTION: METHODS OF RAISING ANIMALS FOR MEAT PRODUCTION
; FILE REFERENCE: 9001-0048
; CURRENT APPLICATION NUMBER: US/09/305,924A
; CURRENT FILING DATE: 1999-05-05
; EARLIER APPLICATION NUMBER: US 60/084,217
; EARLIER FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 49
; TYPE: PRT
; ORGANISM: GHRH
US-09-305-924-11

Query Match 82.0%; Score 41; DB 10; Length 49;
Best Local Similarity 60.0%; Pred. No. 5.6;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 EHWSXGXXPG 10
:|||||
Db 1 QHWSYGLRPG 10

RESULT 44
US-09-305-924-13
; Sequence 13, Application US/09305924A
; Publication No. US20030091579A1
; GENERAL INFORMATION:
; APPLICANT: Jack G. Manns
; APPLICANT: Stephen D. Acres
; APPLICANT: Richard Harland
; TITLE OF INVENTION: METHODS OF RAISING ANIMALS FOR MEAT PRODUCTION
; FILE REFERENCE: 9001-0048
; CURRENT APPLICATION NUMBER: US/09/305,924A
; CURRENT FILING DATE: 1999-05-05
; EARLIER APPLICATION NUMBER: US 60/084,217
; EARLIER FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 13
; LENGTH: 695
; TYPE: PRT
; ORGANISM: GHRH
US-09-305-924-13

Query Match 82.0%; Score 41; DB 10; Length 695;
Best Local Similarity 60.0%; Pred. No. 59;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 EHWXGXXP 10
:|||||
Db 9 QHWSYGLRPG 18

RESULT 45

US-10-354-433-2
; Sequence 2, Application US/10354433
; Publication No. US20030236185A1
; GENERAL INFORMATION:
; APPLICANT: Chatterjee, Abhijit
; APPLICANT: Ray, Partha
; APPLICANT: Dasgupta, Subrata
; APPLICANT: Bhattacharya, Samir
; APPLICANT: Pasha, Santosh
; TITLE OF INVENTION: NOVEL TWO GONADOTROPIN RELEASING HORMONES AND A METHOD TO ISOLATE
; FILE REFERENCE: U 013858-6
; CURRENT APPLICATION NUMBER: US/10/354,433
; CURRENT FILING DATE: 2003-01-28
; PRIOR APPLICATION NUMBER: 60/353,041
; PRIOR FILING DATE: 2002-01-30
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 10
; TYPE: PRT
; ORGANISM: channa punctatus
US-10-354-433-2

Query Match 80.0%; Score 40; DB 15; Length 10;
Best Local Similarity 60.0%; Pred. No. 2;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 EHWXGXXP 10
:|||||
Db 1 QHWSGILPG 10

RESULT 46

US-10-360-101-2
; Sequence 2, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: LHRH2 sequence
US-10-360-101-2

Query Match 80.0%; Score 40; DB 15; Length 10;
Best Local Similarity 60.0%; Pred. No. 2;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 EHWXGXXP 10
:|||||
Db 1 QHWSHWTPG 10

RESULT 47

US-10-360-101-126
; Sequence 126, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 126
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: (Q1,C7)-sequence of LHRH1
US-10-360-101-126

Query Match 80.0%; Score 40; DB 15; Length 10;
Best Local Similarity 60.0%; Pred. No. 2;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 EHWXGXXP 10
:|||||
Db 1 QHWSYGLRPG 10

RESULT 48

US-10-360-101-136
; Sequence 136, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 136
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: (Q1,C8)-sequence of LHRH1
US-10-360-101-136

Query Match 80.0%; Score 40; DB 15; Length 10;
Best Local Similarity 60.0%; Pred. No. 2;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 EHWXGXXP 10
:|||||
Db 1 QHWSYGLCPG 10

RESULT 49

US-10-360-101-303
; Sequence 303, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
US-10-360-101-303

```
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 303
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: LHRH1 analogue
; NAME/KEY: SITE
; LOCATION: (4)..(6)
; OTHER INFORMATION: No. US20040009550A1e = "A" on pos. 4 and 6 are linked by "S"
US-10-360-101-303

Query Match      80.0%; Score 40; DB 15; Length 10;
Best Local Similarity 60.0%; Pred. No. 2;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy      1 EHWSXGXXPG 10
Db      1 QHWSHGWWPG 10

RESULT 50
US-10-360-101-304
; Sequence 304, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; PRIOR FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 304
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: LHRH2 analogue
US-10-360-101-304

Query Match      80.0%; Score 40; DB 15; Length 10;
Best Local Similarity 60.0%; Pred. No. 2;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy      1 EHWSXGXXPG 10
Db      1 QHWSHGWWPG 10

Search completed: March 17, 2004, 22:01:00
Job time : 38 secs
```